



Universal Agent 6.3.x

Maintenance

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Universal Agent 6.3.x Maintenance

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Introduction

Universal Agent 6.3.x consists of a family of components that address distributed systems management and automation. The components are packaged together as product installation packages. Product installation packages are provided for a variety of operating systems and hardware.

Stonebranch provides product maintenance in the form of updated product installation packages that contained the latest maintenance levels of product components. These pages list the product installation package and component maintenance history for Universal Agent 6.3.x.

Product Packaging

Agent components are bundled together into product installation packages, referred to simply as packages in this document. Each package is identified with a package version number and each component within a package is identified with a component version number.

Each package and component maintenance level is identified with a version number (see Versioning, below). The component maintenance level is incremented whenever a new component is made available that contains defect fixes or feature enhancements. A package maintenance level is incremented when a product component within the package changes or the package installation changes.

Package maintenance levels are not necessarily made available for all platforms. Package maintenance may be released for a subset of supported platforms. For example, Universal Agent 6.3.0 for z/OS and UNIX may be at maintenance level 6.3.0.1, but Universal Agent 6.3.0 for Windows may be at 6.3.0.0.

Stonebranch changes product version, release, or modification identifiers at its discretion when it deems an appropriate number of enhancements or capabilities have been introduced to warrant the change.

Versioning

Package version numbers are comprised of four numeric identifiers: version, release, modification level, and maintenance level.

For example, for Universal Agent 6.3.0.1:

- 6 = Version 6
- 3 = Release 3
- 0 = Modification Level 0
- 1 = Maintenance Level 1

Product component version numbers are similar to the package version numbers. Each product component within the package is identified with the same version, release, and modification level as the package, and with a maintenance level that is independent of the maintenance level of the package or other components in the package.

For example, within a Universal Agent 6.3.0.1 package, there could be a Universal Command 6.3.0.0 component:

- 6 = Version 6
- 3 = Release 3
- 0 = Modification Level 0
- 0 = Maintenance Level 0

Packaging Methods

Packaging methods vary among platforms based on the installation conventions and vendor recommendations for the platform. The purpose of this section is to describe the packaging and distribution methods used for the Workload Automation package on its supported platforms.

z/OS	<p>The Universal Agent 6.3.0 package is an SMP/E install consisting of multiple FMIDs. The package is composed of a set of FMIDs for MVS components and a set of FMIDs for UNIX System Services (USS) components. The MVS components are required and the USS components are optional.</p> <p>Maintenance is packaged as a cumulative PTF file containing all available product PTFs for all products within the Workload Automation package.</p>
Windows	<p>All packages are created with the InstallShield Windows packaging tool. The package is installed with Microsoft's Windows Installer (file extension .msi).</p> <p>Product maintenance is packaged as an updated Windows Installer installation package. The installation process upgrades the current install to the latest product maintenance level.</p>
UNIX	<p>There are two installation methods supported on UNIX platforms, both of which are initiated from a Stonebranch script:</p> <ul style="list-style-type: none"> • A system installation uses the UNIX package management system to install the product in vendor-recommended installation directories. • A user mode installation method is performed outside of the UNIX package management system. It allows installation of the product in user-selected directories, and supports multiple installs of differing versions or the same versions of the product. <p>Product maintenance is packaged as an updated installation package. The installation process upgrades the current installation to the latest product maintenance level.</p> <p>UNIX vendor system installation formats are as follows:</p> <ul style="list-style-type: none"> • AIX is packaged in a backup file format (extension .bff) and installed with the AIX installp command. • Sun Solaris is packaged in a Sun software package format and installed with the Sun pkgadd command. • HP-UX is packaged in a HP depot format and installed with the HP swinstall command. • Linux is packaged in a RPM format and installed with the Linux rpm command. • All other UNIX varieties are packaged as compressed tar files and installed with the Stonebranch UNIX installation scripts.
IBM i	<p>The package is an IBM i Licensed Program and installed with the IBM i RSTLICPGM command. By default, all product and dependent product identifiers are installed.</p> <p>Maintenance is packaged as a cumulative PTF file containing all available product PTFs.</p>
HP NonStop	<p>On the HP NonStop platform, Universal Command 2.1.1 product is packaged by itself. No other products are included in the distribution file.</p> <p>The package is installed with a Stonebranch OBEY file.</p> <p>Product maintenance is packaged as an updated installation package. The installation process upgrades the current install to the latest product maintenance level.</p>

Package Maintenance Levels

For detailed information on the maintenance levels of platform-specific Universal Agent packages, see:

- [All Platforms Package Maintenance Levels](#)
- [z/OS Package Maintenance Levels](#)
- [Windows Package Maintenance Levels](#)
- [UNIX Package Maintenance Levels](#)
- [IBM i Package Maintenance Levels](#)
- [HP NonStop Package Maintenance Levels](#)

Component Maintenance Levels

For detailed information on the maintenance levels of individual Universal Agent components, see:

- [Component Maintenance Levels](#)

All Platforms Package Maintenance Levels - Agent 6.3.x

- [Overview](#)
- [Release 6.3.0.6 - May 24, 2017](#)
- [Release 6.3.0.5 - April 28, 2017](#)
- [Release 6.3.0.4 - February 14, 2017](#)
- [Release 6.3.0.3 - September 12, 2016](#)
- [Release 6.3.0.2 - July 14, 2016](#)
- [Release 6.3.0.1 - March 31, 2016](#)
- [Release 6.3.0.0 - January 18, 2016](#)

Overview

This page identifies the changes made in all Universal Agent 6.3.x maintenance releases, including the initial release, for all supported platforms.

Each change identifies the platform(s) for which it was made.

For a list of changes made to optional Agent 6.3.x packages, such as Universal Command Agent for SOA 6.3.x, see the platform-specific Maintenance Levels pages.

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels](#).




Note

Install changes refer to changes to the programs, scripts, or supporting files used to install the package. There are no changes to the actual product components.

Release 6.3.0.6 - May 24, 2017

Change ID	Platform	Component	Description
B-07352	z/OS	UAGSRV UAGUJI UAGUJV	Extend timeouts for acquiring exclusive access to the JSC dataset ENQUEUE .
B-07353	z/OS	UAGSRV	Extend timeouts for JME creation when launching a z/OS task .
D-07174	UNIX, Windows	UAGSRV	Format the ls command used for an SFTP File Monitor to use the -l (minus "el") option instead of -1 (minus one) to prevent errors on SFTP servers that do not recognize the -1 (minus one) option.
D-07296	Windows	UAGSRV	Prevent a situation that may result in a "CSProcessCreate: The system cannot find the file specified" error when several Windows tasks that execute scripts with user credentials are launched at once.

D-07559	All	UDM, UDMSRV	<p>Fix a problem that could cause Universal Data Mover to prematurely stop reading a UTF16-encoded file.</p> <div style="background-color: #ffffcc; padding: 10px; margin-top: 10px;">  Note The problem was observed when trying to transfer a UTF-16BE file to a zOS dataset encoded with the IBM500 codepage. The cause of the problem was related to the size of the input file, and not to the UTF16 translation itself. </div>
D-07562	z/OS	UAGUJV UAGUSI	Prevent a conflict with a customer SMF exit that references the same JMR control block locations as UAGSRV SMF exits.
D-07563	z/OS	UAGUJI	Fix a problem that prevents steps containing a DD statement which specifies DSN=NULLFILE to be selected for restart .
D-07564	z/OS	UAGUJI	Make sure SKIPST parameters specified for z/OS tasks correctly skip steps that execute PROCs.
D-07566	Windows	Install	Fix a problem that could cause a silent install to fail when <code>RUNBROKERASUSER=0</code> is specified. The install incorrectly tried to authenticate the default credentials for a Broker service account whose password had been changed. The authentication failure was ignored for interactive installs, but caused silent installs for fail.

Release 6.3.0.5 - April 28, 2017

Change ID	Platform	Component	Description
B-03241	UNIX, Windows	UPPS UPIMERGE	<p>Universal Connector for PeopleSoft that supports integration with the PeopleSoft Process Scheduler.</p> <p>Add upps as an accepted value for the UPI Merge <code>CONFIGURATION_TYPE</code> configuration option.</p>

Release 6.3.0.4 - February 14, 2017

Change ID	Platform	Component	Description
D-07145	z/OS	UDM UDMSRV	UDM fails to create UTF16-encoded dataset on z/OS.
D-07194	Windows	UAGSRV	File Monitors may go to Start Failure on AD Controller reboot/switchover.
D-07201	UNIX	UAGSRV	Tasks with UACL fail with "CSPProcessCreate failed: KrnProcessCreate" if the Agent is running as root.
D-07295	All	UDM UDMSRV	Ensure that UDM does not write duplicate data to output file following successful NFT recovery. (See Universal Agent 6.3.0.4 Release Information for D-07295 .)

Release 6.3.0.3 - September 12, 2016

Change ID	Platform	Component	Description
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B-04648	All	UDM UDMSRV UDMMCENG	Add milliseconds value to built-in variables for access, create, and modify file timestamps.
B-06427	All	UAGSRV UAGMCENG	Add support for new resolvable script Credential Functions : <code>\$_credentialUser('<credential-name>')</code> and <code>\$_credentialPwd('<credential-name>')</code> . Note: This feature requires Universal Controller 6.4.0.0 and later.
B-06503	All	USAP USPMCENG	Add new configuration option, ENABLE_JOB_STATUS_CHECK , to enable/disable calls to <code>BAPI_XBP_JOB_STATUS_CHECK</code> .
D-05719	z/OS	UAGUJI	Do not retain catalog information for new GDGs and other sequential datasets that did not get created in a job's initial run.
D-06369	UNIX (for HP_UX)	Install	Fix upgrade behavior in HP-UX package when Universal Agent command line utilities are installed.
D-06379	UNIX	UDM UDMSRV	Display correct version information for UDM Server .
D-06468	UNIX	UAGSRV	Make sure all error information is reported for an EXISTS File Monitor task that fails because the path name specified in the task Details does not exist.
D-06511	UNIX, Windows	UAGSRV	File Monitor tasks that end with a Failed status do not always end with non-zero exit codes.
D-06532	z/OS	UAGSRV	Make sure z/OS tasks whose jobs end with "\$HASP106 JOB DELETED BY JES2 OR CANCELLED BY OPERATOR BEFORE EXECUTION" do not stay in Submitted status. Note: z/OS 2.x is required to enable this behavior.
D-06779	All	UDM UDMSRV	Make sure memory allocation errors that occur with large ACK_WINDOW values are reported prior to UDM failure.
D-06781	All	UDM UDMSRV	Make sure memory allocation errors that occur when a large ACK_WINDOW value is used when NFT is disabled are reported prior to UDM failure.
D-06782	UNIX	UAGSRV	Allow SFTP server port to be overridden when password-based authentication is used with SFTP File Transfer tasks .
D-06803	All	UDM UDMSRV	Correct problem trimming spaces from very long records.
D-06837	UNIX (except AIX and Solaris SPARC), Windows	USAP	Handle RFC timeouts during calls to <code>RSPC_API_CHAIN_GET_STATUS</code> .
D-06846	Windows	Install	Mask passwords displayed by Stonebranch trace functions in install log .
D-06883	z/OS	UDM UDMSRV	Fix incorrectly reported memory error when transferring datasets with <code>RECFM=U</code> and <code>LRECL=0</code> .
D-06885	All	UBROKER USSMCENG	Protect initial handshake message protocol from malicious payloads.
D-06888	All	UAGSRV	Clean up temporary script files created by SAP tasks .

D-06893	All	USAP	Use Universal Connector GROUP configuration option instead of mshost value for RFC GROUP connection parameter.
D-06909	z/OS	UAGSRV	Make sure jobs that end with S822 are reported correctly to Universal Controller.
D-06920	z/OS	UDM UDMSRV	Do not fail conversion of an FBA dataset that starts with an ASA form feed character.
D-06940	z/OS	UAGSRV	Prevent reserve deadlock when running multiple 6.3.0.x Agents.

Release 6.3.0.2 - July 14, 2016

Change ID	Platform	Component	Description
B-03155	z/OS	UDM, UDMSRV	Add support for ASA control character conversion/formatting.
B-04195	UNIX	OMS	Increase the maximum number of allowable TCP/IP connections .
B-05040	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UBROKER, UCERT, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UQUERY	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05825	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UENCRYPT	Create new files using defaults of AES256 encryption and an expanded 32-bit key. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

B-05826	<p>HP-UX Itanium, Linux x86, Linux x64</p> <p>(Debian package),</p> <p>Solaris Intel, Solaris SPARC, zLinux</p>	<p>UDM, UDMSRV, UDMMCENG</p>	<p>Protect against interception of sensitive information during user authentication.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
B-05827	<p>HP-UX Itanium, Linux x86, Linux x64</p> <p>(Debian package),</p> <p>Solaris Intel, Solaris SPARC, zLinux</p>	<p>UBROKER, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UQUERY</p>	<p>Turn off world readable flag for application configuration and log files.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
B-05829	<p>HP-UX Itanium, Linux x86, Linux x64</p> <p>(Debian package),</p> <p>Solaris Intel, Solaris SPARC, zLinux</p>	<p>UBROKER, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UCMMCENG, UCTMCENG, UDMMCENG, UEMMCENG, USSMCENG</p>	<p>Add support for TLS 1.2 ciphers, AES256-GCM-SHA384 and AES128-GCM-SHA256.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
B-05907	<p>UNIX, Windows All</p>	<p>OMSSRV UAGSRV</p>	<p>Add support for TLS 1.2 protocol.</p>

<p>B-05991</p>	<p>HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux</p>	<p>UBROKER, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UCMMCENG, UCTMCENG, UDMMCENG, UEMMCENG, USSMCENG</p>	<p>Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
<p>B-06010</p>	<p>HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris SPARC, zLinux</p>	<p>USAP, USPMCENG</p>	<p>Provide improved client fault tolerance for SAP process chains.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
<p>B-06011</p>	<p>HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux</p>	<p>UDM, UDMSRV, UDMMCENG</p>	<p>Add ability to authenticate Broker's certificate.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>

B-06017	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris SPARC, zLinux	USAP, USPMCENG	Provide ability to release intercepted child jobs . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06253	All	UDM	Update UDM Manager DATA_COMPRESSION configuration option with new force parameter (that is, compress,force) to allow UDM Managers to override Server-configured compression.
D-01721	All	UDM, UDMSRV	Fix conversion error that may occur when creating a session using UTF-8 or UTF-16 codepages .
D-05592	z/OS	UAGSRV UAGUSI	When the initial run or restart of a job results in all executed steps being flushed (except for our step OPSSTP00 that executes UAGRERUN) the task will tail with the error "All steps flushed", provided there are no other errors (for example, JCL errors) that caused the steps to flush. Note: This functionality will also apply if the "Skip Steps" feature is used to skip all steps in a job. To skip execution of the entire job and allow any successors to run, the "Force Finish" or "Skip" commands may still be used for the task.
D-05880	All	UDM, UDMSRV	Set error return code when the length of a file's records exceeds a z/OS datasets's allocated record length .
D-06350	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UAGSRV	Fix inconsistency between number of File Monitors shown in the Controller and that reported by ops_monitor. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

D-06367	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinuxx	UBROKER	Prevent Broker crash when it receives a specially-crafted malformed header. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06382	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinuxx	UAGCMD	Generate unique names for trace files . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06406	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinuxx	UAGSRV	Allow concurrent File Monitor instances to search for files using regular expressions that contain a comma. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06547	z/OS	UAGSRV	Ensure that JCL statements are padded with blanks instead of NULLs.
D-06559	z/OS	UAGSRV	Fix error that prevents return of job output to original MSGCLASS when the UAG JES_SYSOUT_DISP configuration option value is RELEASE,*.
D-06592	All	UDM	Add a message to display the value of the DATA_COMPRESSION configuration option following UDM Manager/Server session negotiation.

D-06620	z/OS	UBROKER, UCMD, UCTL, UDM, UDMCFG, USSMCENG, UCMMCENG, UCTMCENG, UDMMCENG, UBRCFG00, UCMCFG00, UCMCFGU0, UCTCFG00, UCTCFGU0, UDMCFG00, UDMCFGU0, UDSCFG00,	Issue error when the SSL_IMPLEMENTATION configuration option value is system and MIN_SSL_PROTOCOL configuration option value is TLS1_2 , and/or an SSL cipher that requires TLS 1.2 protocol support is specified in a control or data session cipher list. Note: Support for TLS 1.2 when IBM System SSL is used will be provided in an upcoming release of Universal Agent. Until then, TLS 1.2 support is available with OpenSSL.
D-06679	AIX, Solaris SPARC, z/OS	USAP	Prevent XBP 3.0 Create Variant operation failure when SAP note 1144882 has been applied to system.
D-06721	z/OS	UAGUJI, UAGUJV	Prevent possible abend when encountering SWA control blocks that reside above the bar.
D-06751	z/OS	UAGSRV	Prevent possible S0C4 in UAGSRV function WjssLocalJmeDelete().
D-06774	All	UBROKER	Improve authentication of message parameters sent during a session negotiation's handshake.
D-06836	AIX, Solaris SPARC, zOS	USAP	Handle RFC timeouts during calls to RSPC_API_CHAIN_GET_STATUS.
D-06838	AIX, Solaris SPARC, zOS	USAP	Handle FAILED exception from RSPC_API_CHAIN_GET_PROCESSES function.

Release 6.3.0.1 - March 31, 2016

Change ID	Platform	Component	Description
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B-05040	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p> <p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCERT UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UQUERY</p> <p>UEMSRV</p>	<p>Add support for TLS 1.2 protocol.</p>
B-05825	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p>	<p>UENCRYPT</p>	<p>Create new files using defaults of AES256 encryption and an expanded 32-bit key.</p>
B-05826	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p>	<p>UDM UDMSRV UDMMCENG</p>	<p>Protect against interception of sensitive information during user authentication.</p>
B-05827	<p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UEMSRV UQUERY</p>	<p>Turn off world-readable flag for application configuration and log files.</p>
B-05829	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p> <p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UCMMCENG UCTMCENG UDMMCENG UEMMCENG USSMCENG</p> <p>UEMSRV</p>	<p>Add support for TLS 1.2 ciphers, AES256-GCM-SHA384 and AES128-GCM-SHA256.</p>

B-05991	AIX, Linux x64 (RPM package), Windows, z/OS AIX, Linux x64 (RPM package), Windows	UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UCMMCENG UCTMCENG UDMMCENG UEMMCENG USSMCENG UEMSRV	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support.
B-06010	AIX, Linux x64 (RPM package), Windows, z/OS	USAP USPMCENG	Provide improved client fault tolerance for SAP process chains .
B-06011	AIX, Linux x64 (RPM package), Windows, z/OS	UDM UDMSRV UDMMCENG	Add ability to authenticate Broker's certificate .
B-06017	AIX, Linux x64 (RPM package), Windows, z/OS	USAP USPMCENG	Provide ability to release intercepted child jobs .
D-06306	Windows	UAGSRV	DELETE File Monitors succeed when file's owner does not match the value of the task's File Owner field.
D-06350	AIX, Linux x64 (RPM package)	UAGSRV	Fix inconsistency between number of File Monitors shown in the Controller and that reported by ops_monitor.
D-06367	UBROKER	AIX, Linux x64 (RPM package), Windows, z/OS	Prevent Broker crash when it receives a specially-crafted malformed header.
D-06382	AIX, Linux x64 (RPM package), Windows z/OS	UAGCMD UAGCMDZ	Generate unique names for trace files .
D-06406	AIX, Linux x64 (RPM package)	UAGSRV	Allow concurrent File Monitor instances to search for files using regular expressions that contain a comma.
D-06437	z/OS	UAGSRV	Prevent possible S0C4 during variable substitution.

D-06440	z/OS	UAGSRV	Tasks may stay in Submitted state after failing with a JCL error.
D-06443	z/OS	UAGSRV	Prevent jobnames that start with IEFC from falsely reporting a JCL error.
D-06456	z/OS	UAGSRV	Fix behavior that allows the Job Submission Checkpoint (JSC) dataset to contain duplicate keys, resulting in z/OS tasks that stay in Submitted status.
D-06487	Windows	UAGSRV	Add ERROR_NETNAME_DELETED as a retry condition for File Monitor fault tolerance.

Release 6.3.0.0 - January 18, 2016

Change ID	Platform	Component	Description
B-03124	z/OS	UAGSRV	Add ability for batch jobs submitted via a z/OS task to execute on any image in a Sysplex environment. New in this release.
B-04736	ALL	UAGSRV	Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors. Two new configuration options are provided: <ul style="list-style-type: none"> • FM_FAULT_TOLERANT: Enables fault tolerant file monitor behavior (Default is no). • FM_FAULT_TOLERANT_TIMEOUT: The time a file monitor task will wait before failing when fault-tolerant behavior is enabled (Default is 120s). Previously delivered as B-04908 in 6.2.0.1.
B-05138	UNIX, Windows Windows, z/OS	UEMSRV UECTLR	Remove license requirement. Previously delivered as B-05480 in 6.2.0.2.
B-05147	UNIX	Install	Provide a native 64-bit Debian package . New in this release.
B-05428	All	UAGCMDZ UAGCMD	Update command line help for <code>wait-type</code> and <code>{wait-day-constraint}</code> parameters for the <code>ops-task-set-timewait</code> CLI function. Previously delivered as B-05429 in 6.2.0.2.
B-05467	All	UDM, UDMSRV	Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop. Previously delivered as B-05476 in 6.2.0.2.
B-05488	Windows	Install	Add updated Stonebranch logos to install dialogs . Previously delivered as B-05479 in 6.2.0.2.
B-05635	All	UDM, UDMSRV	Add support for UTF-16LE and UTF-16BE codepage values in the open command. Provide a <code>bom={default yes no}</code> attribute to control how byte order marks (BOMs) are managed in files converted to UTF-16. New in this release.

B-05646	z/OS	Install	Update install job UNVIN07 to allocate a JSC dataset and set the jsc_dataset option the UAGCFG00 configuration member during a new install . New with this release.
B-05662	z/OS	UBROKER	Add SYSPLEX_ROLE configuration option to set an Agent's participation in Sysplex to none (default), primary, or secondary. New in this release.
B-05801	z/OS	Install	Add a new install job, UNVIN10, to allocate the JSC dataset during an upgrade from an earlier release. NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment. New with this release.
B-05805	z/OS	UAGSRV	Add ability to specify a Job Submission Checkpoint (JSC) dataset and Coupling Facility structure via the JSC_DATASET and CF_STRUCT_NAME configuration options, respectively. NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment. A new install job, UNVIN10, is provided to allocate a JSC dataset if none exists (an upgrade from an earlier release). For new installs , the dataset is created in UNVIN07. New with this release.
D-03981	All	UDM, UDMSRV	Retry and gracefully handle failed message queue memory allocations. Previously delivered as D-04342 in 6.2.0.2.
D-05777	All	UAGSRV	Make sure \${ops_trigger_file_name_nopath} contains the correct value if the file name contains spaces. Previously delivered as D-06243 in 6.2.0.3.
D-05830	All	UDM, UDMSRV	Fix "Invalid command" following the last iteration of a forfiles loop when a command is stored in a script variable. Previously delivered as D-05868 in 6.2.0.1.
D-05855	z/OS	UAGSRV	Fix a problem that may prevent Create and Delete File Monitors from completing. Previously delivered as D-05867 in 6.2.0.1.
D-05863	UNIX	UAGSRV	Populate appropriate built-in variables when a MISSING File Monitor which uses regular expressions fails. Previously delivered as D-05873 in 6.2.0.1.
D-05878	z/OS	UAGSRV	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun. Previously delivered as D-05889 in 6.2.0.1.
D-05898	UNIX, Windows	UAGSRV	Fix a file handle leak in FTP File Monitors . Previously delivered as D-05897 in 6.2.0.1.
D-05901	Windows	Install	Fix rendering of install dialogs when executed on a display running at a very high resolution. Previously delivered as D-05876 in 6.2.0.1.

D-05903	All	UAGCMDZ UAGCMD	Update command line help for ops-task-rerun CLI function. Previously delivered as D-06108 in 6.2.0.2.
D-05943	UNIX	UAGSRV	Prevent possible deadlock when several File Monitor task instances start and finish simultaneously. Previously delivered as D-05944 in 6.2.0.1.
D-05960	z/OS	UAGRERUN	Remove PARM=xxx debug statement when UAGRERUN is executed outside of UAGSRV. New in this release.
D-05963	All	UAGCMDZ UAGCMD	Remove condition that can cause ops-trigger-now to become unresponsive. Previously delivered as D-05954 in 6.2.0.1.
D-05987	All	UAGSRV	Successfully return output when “last 1 line” is selected for retrieval. Previously delivered as D-06105 in 6.2.0.2.
D-05996	UNIX	UAGSRV	Prevent display of “Error obtaining results” error message when no matching files are found. Previously delivered as D-06007 In 6.2.0.1.
D-06005	z/OS	UAGU83	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun. Previously delivered as D-05889 in 6.2.0.1.
D-06062	Windows	UAGSRV	Make sure CREATE File Monitor tasks successfully detect all matching files when several files are created at once. Previously delivered as D-06061 in 6.2.0.1.
D-06075	UNIX	UAGSRV	Fix format of CPU identification string for Linux S390 systems. Previously delivered as D-06106 in 6.2.0.2.
D-06094	UNIX	UAGSRV	Fix problem monitoring files larger than 2GB on AIX. Previously delivered as D-06096 in 6.2.0.2.
D-06113	Windows	Install	Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later installations in order to satisfy installation prerequisite. Previously delivered as D-06112 in 6.2.0.2.
D-06126	All	UDM, UDMSRV	Make value of <code>_existdir</code> built-in variable accessible when the <code>existdir</code> command is called from a subroutine or an external script. Previously delivered as D-06124 in 6.2.0.2.
D-06145	UNIX, Windows	UAGSRV	Prevent all Application Monitor task instances from going into Query Overdue status if any one of the active monitors are stuck in a query. Previously delivered as D-06146 in 6.2.0.2.
D-06163	All	UAGCMDZ UAGCMD	Prevent possible segmentation fault when certain resources become unavailable during processing of an ops-trigger-now command. Previously delivered as D-06164 in 6.2.0.3.

D-06188	UNIX, Windows	USAP	Prevent new instance of process chain from starting when the restart command includes an implicit (-R, Run) or explicit (-S, Start) start command. New in this release.
D-06201	UNIX, Windows	OMS Server	Prevent buildup of unused files during clean-up if an older file contains an unconsumed message. Previously delivered as D-06202 in 6.2.0.3.
D-06237	All	UDM, UDMSRV, UDMMCENG	Make sure wildcard expansion correctly populates built-in <code>\$_file.wildcardn</code> variables when a complete path name is specified in a forfiles statement. Previously delivered as D-06241 in 6.2.0.3.
D-06246	UNIX	UAGSRV	Fix possible memory leak for File Monitor tasks . Previously delivered as D-06247 in 6.2.0.3.
D-06255	UNIX, Windows	UAGSRV	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover . Previously delivered as D-06151 in 6.2.0.2.
D-06262	Windows, z/OS	UECTLR	Universal Brokers cannot be put into managed mode if no license information is defined in the UEC configuration file (license requirements were dropped from UEC in 6.2.0.2). New in this release.
D-06278	z/OS	UAGSRV	Fix substitution of MSGCLASS and CLASS variables of more than 1 character. New in this release.
D-06290	Windows	UAGSRV	Correct handling of File Monitor tasks that use the '?' wildcard in file name patterns. New in this release.
D-06322	All	UDM, UDMSRV	Prevent memory leak during forfiles processing. New in this release.
D-06328	UNIX, Windows	UEMSRV	Events fail to become active following upgrade to 6.2.0.3 if no license info is available (license requirements were dropped from UEM in 6.2.0.2). New in this release.

UNIX Package Maintenance Levels - Agent 6.3.x

- Overview
- Universal Agent 6.3.x for UNIX Packages
 - Agent 6.3.0.6 - May 24, 2017
 - Agent 6.3.0.5 - April 28, 2017
 - Agent 6.3.0.4 - February 14, 2017
 - Agent 6.3.0.3 - September 12, 2016
 - Agent 6.3.0.2 - July 14, 2016
 - Agent 6.3.0.1 - March 31, 2016
 - Agent 6.3.0.0 - January 18, 2016
- Universal Agent for SOA 6.3.x for UNIX Packages

Overview

This page identifies the package contents for all Universal Agent 6.3.x for UNIX maintenance releases, including the initial release, and the maintenance level of every component in each package.

This information is for both Universal Agent 6.3.x for UNIX packages:

- Universal Agent
- Universal Agent for SOA

For each release, changes made to individual components for UNIX only, and for UNIX and one or more other platforms, are identified. Maintenance level changes to a component for non-UNIX platforms are not shown.

For a list of all changes in a release - all platforms, all components - see [All Platforms Package Maintenance Levels - Agent 6.3.x](#).

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.3.x](#).

Universal Agent 6.3.x for UNIX Packages

This table identifies components generally available for UNIX. For a list of components currently contained in specific UNIX platforms, see [Platform Support for Universal Controller 6.4.x and Universal Agent 6.3.x](#).

Release	Release Date	Install	Universal Broker	Universal Automation Center Agent	Universal Message Service	Controller Command Line Interface	Universal Certificate	Universal Command Manager	Universal Command Server	Universal Connector	Universal Connector for PeopleSoft	Universal Control	Universal Database Utilities	Unive Data Move Mana
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6.3.0.6	May 24, 2017	6.3.0.0 (6.3.0.1 for HP-UX)	6.3.0.3	6.3.0.6	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2 (5.3.0.3 for AIX and Solaris SPARC)	6.3.0.0	6.3.0.1	6.3.0.1	6.3.0.
6.3.0.5	April 28, 2017	6.3.0.0 (6.3.0.1 for HP-UX)	6.3.0.3	6.3.0.4	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2 (5.3.0.3 for AIX and Solaris SPARC)	6.3.0.0	6.3.0.1	6.3.0.1	6.3.0.
6.3.0.4	February 14, 2017	6.3.0.0 (6.3.0.1 for HP-UX)	6.3.0.3	6.3.0.4	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2 (5.3.0.3 for AIX and Solaris SPARC)		6.3.0.1	6.3.0.1	6.3.0.
6.3.0.3	September 12, 2016	6.3.0.0 (6.3.0.1 for HP-UX)	6.3.0.3	6.3.0.3	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2 (5.3.0.3 for AIX and Solaris SPARC)		6.3.0.1	6.3.0.1	6.3.0.
6.3.0.2	July 14, 2016	6.3.0.0	6.3.0.2	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.1 (5.3.0.2 for AIX and Solaris SPARC)		6.3.0.1	6.3.0.1	6.3.0.
6.3.0.1	March 31, 2016	6.3.0.0	6.3.0.1	6.3.0.1	6.3.0.0	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1 (5.3.0.1 for AIX)		6.3.0.1	6.3.0.1	6.3.0.
6.3.0.0	January 18, 2016	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0 (5.3.0.0 for AIX and Solaris SPARC)		6.3.0.0	6.3.0.0	6.3.0.



Note

Install changes refer to changes to the programs, scripts, or supporting files used to install the package. There are no changes to the actual product components.

Agent 6.3.0.6 - May 24, 2017

Change ID	Platform	Component	Description
D-07174	UNIX, Windows	UAGSRV	Format the ls command used for an SFTP File Monitor to use the -l (minus "el") option instead of -1 (minus one) to prevent errors on SFTP servers that do not recognize the -1 (minus one) option.
D-07296	Windows	UAGSRV	Prevent a situation that may result in a "CSProcessCreate: The system cannot find the file specified" error when several Windows tasks that execute scripts with user credentials are launched at once.
D-07559	All	UDM, UDMSRV	Fix a problem that could cause Universal Data Mover to prematurely stop reading a UTF16-encoded file. <div style="background-color: #ffffcc; padding: 10px; border: 1px solid #ccc;"> <p> Note: The problem was observed when trying to transfer a UTF-16BE file to a zOS dataset encoded with the IBM500 codepage. The cause of the problem was related to the size of the input file, and not to the UTF16 translation itself.</p> </div>
D-07566	Windows	Install	Fix a problem that could cause a silent install to fail when RUNBROKERASUSER=0 is specified.

Agent 6.3.0.5 - April 28, 2017

Change ID	Platform	Component	Description
B-03241	UNIX, Windows	UPPS UPIMERGE	Universal Connector for PeopleSoft that supports integration with the PeopleSoft Process Scheduler. Add upps as an accepted value for the UPI Merge CONFIGURATION_TYPE configuration option.

Agent 6.3.0.4 - February 14, 2017

Change ID	Platform	Component	Description
D-07201	UNIX, Windows	UAGSRV	Tasks with UACL fail with "CSProcessCreate failed: KrnProcessCreate" if the Agent is running as root.
D-07295	All	UDM UDMSRV	Ensure that UDM does not write duplicate data to output file following successful NFT recovery. (See Universal Agent 6.3.0.4 Release Information for D-07295 .)

Agent 6.3.0.3 - September 12, 2016

Change ID	Platform	Component	Description
B-04648	All	UDM UDMSRV UDMMCENG	Add milliseconds value to built-in variables for access, create, and modify file timestamps.

B-06427	All	UAGSRV UAGMCENG	Add support for new resolvable script Credential Functions : <code>\${_credentialUser('<credential-name>')}</code> and <code>\${_credentialPwd('<credential-name>')}</code> . Note: This feature requires Universal Controller 6.4.0.0 and later.
B-06503	All	USAP USPMCENG	Add new configuration option, ENABLE_JOB_STATUS_CHECK , to enable/disable calls to BAPI_XBP_JOB_STATUS_CHECK.
D-06369	UNIX (for HP-UX)	Install	Fix upgrade behavior in HP-UX package when Universal Agent command line utilities are installed.
D-06379	UNIX	UDM UDMSRV	Display correct version information for UDM Server .
D-06468	UNIX	UAGSRV	Make sure all error information is reported for an EXISTS File Monitor task that fails because the path name specified in the task definition does not exist.
D-06511	UNIX, Windows	UAGSRV	File Monitor tasks that end with a Failed status do not always end with non-zero exit codes.
D-06779	All	UDM UDMSRV	Make sure memory allocation errors that occur with large ACK_WINDOW values are reported prior to UDM failure.
D-06781	All	UDM UDMSRV	Make sure memory allocation errors that occur when a large ACK_WINDOW value is used when NFT is disabled are reported prior to UDM failure.
D-06782	UNIX	UAGSRV	Allow SFTP server port to be overridden when password-based authentication is used with SFTP File Transfer tasks .
D-06803	All	UDM UDMSRV	Correct problem trimming spaces from very long records.
D-06837	UNIX (except AIX and Solaris SPARC), Windows	USAP	Handle RFC timeouts during calls to RSPC_API_CHAIN_GET_STATUS.
D-06885	All	UBROKER USSMCENG	Protect initial handshake message protocol from malicious payloads.
D-06888	All	UAGSRV	Clean up temporary script files created by SAP tasks .
D-06893	All	USAP	Use Universal Connector GROUP configuration option instead of mshost value for RFC GROUP connection parameter.

Agent 6.3.0.2 - July 14, 2016

Change ID	Platform	Component	Description
B-04195	UNIX	OMS	Increase the maximum number of allowable TCP/IP connections .

B-05040	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UBROKER, UCERT, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UQUERY	<p>Add support for TLS 1.2 protocol.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
B-05825	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UENCRYPT	<p>Create new files using defaults of AES256 encryption and an expanded 32-bit key.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
B-05826	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UDM, UDMSRV, UDMMCENG	<p>Protect against interception of sensitive information during user authentication.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>
B-05827	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UBROKER, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UQUERY	<p>Turn off world readable flag for application configuration and log files.</p> <p>Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.</p>

B-05829	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UBROKER, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UCMMCENG, UCTMCENG, UDMMCENG, UEMMCENG, USSMCENG	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05907	UNIX, Windows All	OMSSRV UAGSRV	Add support for TLS 1.2 protocol .
B-05991	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UBROKER, UCMD, UCMSRV, UCTL, UCTSRV, UDM, UDMSRV, UEM, UEMSRV, UCMMCENG, UCTMCENG, UDMMCENG, UEMMCENG, USSMCENG	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06010	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris SPARC, zLinux	USAP, USPMCENG	Provide improved client fault tolerance for SAP process chains . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

B-06011	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UDM, UDMSRV, UDMMCENG	Add ability to authenticate Broker's certificate . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06017	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris SPARC, zLinux	USAP, USPMCENG	Provide ability to release intercepted child jobs . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06253	All	UDM	Update UDM Manager DATA_COMPRESSION configuration option with new force parameter (that is, compress,force) to allow UDM Managers to override Server-configured compression.
D-01721	All	UDM, UDMSRV	Fix conversion error that may occur when creating a session using UTF-8 or UTF-16 codepages .
D-05880	All	UDM, UDMSRV	Set error return code when the length of a file's records exceeds a z/OS datasets's allocated record length .
D-06350	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UAGSRV	Fix inconsistency between number of File Monitors shown in the Controller and that reported by ops_monitor. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06367	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	UBROKER	Prevent Broker crash when it receives a specially-crafted malformed header. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

D-06382	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinuxx	UAGCMD	Generate unique names for trace files . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06406	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinuxx	UAGSRV	Allow concurrent File Monitor instances to search for files using regular expressions that contain a comma. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06592	All	UDM	Add a message to display the value of the DATA_COMPRESSION configuration option following UDM Manager/Server session negotiation.
D-06679	AIX, Solaris SPARC, z/OS	USAP	Prevent XBP 3.0 Create Variant operation failure when SAP note 1144882 has been applied to system.
D-06774	All	UBROKER	Improve authentication of message parameters sent during a session negotiation's handshake.
D-06836	AIX, Solaris SPARC, zOS	USAP	Handle RFC timeouts during calls to RSPC_API_CHAIN_GET_STATUS.
D-06838	AIX, Solaris SPARC, zOS	USAP	Handle "FAILED" exception from RSPC_API_CHAIN_GET_PROCESSES function.

Agent 6.3.0.1 - March 31, 2016

Change ID	Platform	Component	Description
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B-05040	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p> <p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCERT UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UQUERY</p> <p>UEMSRV</p>	Add support for TLS 1.2 protocol .
B-05825	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p>	UENCRYPT	Create new files using defaults of AES256 encryption and an expanded 32-bit key.
B-05826	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p>	<p>UDM UDMSRV UDMMCENG</p>	Protect against interception of sensitive information during user authentication .
B-05827	<p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UEMSRV UQUERY</p>	Turn off world readable flag for application configuration and log files.

<p>B-05829</p>	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p> <p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UCMMCENG</p> <p>UCTMCENG</p> <p>UDMMCENG</p> <p>UEMMCENG</p> <p>USSMCENG</p> <p>UEMSRV</p>	<p>Add support for TLS 1.2 ciphers, AES256-GCM-SHA384 and AES128-GCM-SHA256.</p>
<p>B-05991</p>	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p> <p>AIX, Linux x64 (RPM package), Windows</p>	<p>UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UCMMCENG</p> <p>UCTMCENG</p> <p>UDMMCENG</p> <p>UEMMCENG</p> <p>USSMCENG</p> <p>UEMSRV</p>	<p>Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support.</p>
<p>B-06010</p>	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p>	<p>USAP USPMCENG</p>	<p>Provide improved client fault tolerance for SAP process chains.</p>
<p>B-06011</p>	<p>AIX, Linux x64 (RPM package), Windows, z/OS</p>	<p>UDM UDMSRV UDMMCENG</p>	<p>Add ability to authenticate Broker's certificate.</p>

B-06017	AIX, Linux x64 (RPM package), Windows, z/OS	USAP USPMCENG	Provide ability to release intercepted child jobs .
D-06350	AIX, Linux x64 (RPM package)	UAGSRV	Fix inconsistency between number of File Monitors shown in the Controller and that reported by ops_monitor.
D-06367	AIX, Linux x64 (RPM package), Windows, z/OS	UBROKER	Prevent Broker crash when it receives a specially-crafted malformed header.
D-06382	AIX, Linux x64 (RPM package), Windows z/OS	UAGCMD UAGCMDZ	Generate unique names for trace files .
D-06406	AIX, Linux x64 (RPM package)	UAGSRV	Allow concurrent File Monitor instances to search for files using regular expressions that contain a comma.

Agent 6.3.0.0 - January 18, 2016

Change ID	Platform	Component	Description
B-04736	ALL	UAGSRV	<p>Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors.</p> <p>Two new configuration options are provided:</p> <ul style="list-style-type: none"> FM_FAULT_TOLERANT: Enables fault tolerant file monitor behavior (Default is no). FM_FAULT_TOLERANT_TIMEOUT: The time a file monitor task will wait before failing when fault-tolerant behavior is enabled (Default is 120s). <p>Previously delivered as B-04908 in 6.2.0.1.</p>
B-05138	UNIX, Windows	UEMSRV	<p>Remove license requirement.</p> <p>Previously delivered as B-05480 in 6.2.0.2.</p>
B-05147	UNIX	Install	<p>Provide a native 64-bit Debian package.</p> <p>New in this release.</p>
B-05428	All	UAGCMDZ UAGCMD	<p>Update command line help for <code>wait-type</code> and <code>{wait-day-constraint}</code> parameters for the ops-task-set-timewait CLI function.</p> <p>Previously delivered as B-05429 in 6.2.0.2.</p>
B-05467	All	UDM, UDMSRV	<p>Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop.</p> <p>Previously delivered as B-05476 in 6.2.0.2.</p>

B-05635	All	UDM, UDMSRV	<p>Add support for UTF-16LE and UTF-16BE codepage values in the open command.</p> <p>Provide a <code>bom={default yes no}</code> attribute to control how byte order marks (BOMs) are managed in files converted to UTF-16.</p> <p>New in this release.</p>
D-03981	All	UDM, UDMSRV	<p>Retry and gracefully handle failed message queue memory allocations.</p> <p>Previously delivered as D-04342 in 6.2.0.2.</p>
D-05777	All	UAGSRV	<p>Make sure <code>ops_trigger_file_name_nopath</code> contains the correct value if the file name contains spaces.</p> <p>Previously delivered as D-06243 in 6.2.0.3.</p>
D-05830	All	UDM, UDMSRV	<p>Fix "Invalid command" following the last iteration of a <code>forfiles</code> loop when a command is stored in a script variable.</p> <p>Previously delivered as D-05868 in 6.2.0.1.</p>
D-05863	UNIX	UAGSRV	<p>Populate appropriate built-in variables when a MISSING File Monitor which uses regular expressions fails.</p> <p>Previously delivered as D-05873 in 6.2.0.1.</p>
D-05898	UNIX, Windows	UAGSRV	<p>Fix a file handle leak in FTP File Monitors.</p> <p>Previously delivered as D-05897 in 6.2.0.1.</p>
D-05903	All	UAGCMDZ UAGCMD	<p>Update command line help for <code>ops-task-rerun</code> CLI function.</p> <p>Previously delivered as D-06108 in 6.2.0.2.</p>
D-05943	UNIX	UAGSRV	<p>Prevent possible deadlock when several File Monitor task instances start and finish simultaneously.</p> <p>Previously delivered as D-05944 in 6.2.0.1.</p>
D-05963	All	UAGCMDZ UAGCMD	<p>Remove condition that can cause <code>ops-trigger-now</code> to become unresponsive.</p> <p>Previously delivered as D-05954 in 6.2.0.1.</p>
D-05987	All	UAGSRV	<p>Successfully return output when "last 1 line" is selected for retrieval.</p> <p>Previously delivered as D-06105 in 6.2.0.2.</p>
D-05996	UNIX	UAGSRV	<p>Prevent display of "Error obtaining results" error message when no matching files are found.</p> <p>Previously delivered as D-06007 In 6.2.0.1.</p>
D-06075	UNIX	UAGSRV	<p>Fix format of CPU identification string for Linux S390 systems.</p> <p>Previously delivered as D-06106 in 6.2.0.2.</p>
D-06094	UNIX	UAGSRV	<p>Fix problem monitoring files larger than 2GB on AIX.</p> <p>Previously delivered as D-06096 in 6.2.0.2.</p>

D-06126	All	UDM, UDMSRV	Make value of <code>_existdir</code> built-in variable accessible when the <code>existdir</code> command is called from a subroutine or an external script. Previously delivered as D-06124 in 6.2.0.2.
D-06145	UNIX, Windows	UAGSRV	Prevent all Application Monitor task instances from going into Query Overdue status if any one of the active monitors are stuck in a query. Previously delivered as D-06146 in 6.2.0.2.
D-06163	All	UAGCMDZ UAGCMD	Prevent possible segmentation fault when certain resources become unavailable during processing of an <code>ops-trigger-now</code> command. Previously delivered as D-06164 in 6.2.0.3.
D-06188	UNIX, Windows	USAP	Prevent new instance of process chain from starting when the <code>restart</code> command includes an implicit (-R, Run) or explicit (-S, Start) start command. New in this release.
D-06201	UNIX, Windows	OMS Server	Prevent buildup of unused files during clean-up if an older file contains an unconsumed message. Previously delivered as D-06202 in 6.2.0.3.
D-06237	All	UDM, UDMSRV, UDMMCENG	Make sure wildcard expansion correctly populates built-in <code>\$_file.wildcardn</code> variables when a complete path name is specified in a <code>forfiles</code> statement. Previously delivered as D-06241 in 6.2.0.3.
D-06246	UNIX	UAGSRV	Fix possible memory leak for File Monitor tasks . Previously delivered as D-06247 in 6.2.0.3.
D-06255	UNIX, Windows	UAGSRV	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover . Previously delivered as D-06151 in 6.2.0.2.
D-06322	All	UDM, UDMSRV	Prevent memory leak during <code>forfiles</code> processing. New in this release.
D-06328	UNIX, Windows	UEMSRV	Events fail to become active following upgrade to 6.2.0.3 if no license info is available (license requirements were dropped from UEM in 6.2.0.2). New in this release.

Universal Agent for SOA 6.3.x for UNIX Packages

Release	Release Date	Universal Command Agent for SOA
6.3.0.0	January 18, 2016	6.3.0.0

(There were no changes to this release.)

Windows Package Maintenance Levels - Agent 6.3.x

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- Universal Agent 6.3.x for Windows Packages
 - Agent 6.3.0.6 - May 24, 2017
 - Agent 6.3.0.5 - April 28, 2017
 - Agent 6.3.0.4 - February 14, 2017
 - Agent 6.3.0.3 - September 12, 2016
 - Agent 6.3.0.2 - July 14, 2016
 - Agent 6.3.0.1 - March 31, 2016
 - Agent 6.3.0.0 - January 18, 2016
- Universal Enterprise Controller 6.3.0 for Windows Packages
 - UEC 6.3.0.0 - January 18, 2016
- Universal Enterprise Controller Client Applications 6.3.0 for Windows Packages
 - UEC Client Applications 6.3.0.0 - January 18, 2016
- Universal Agent for SOA 6.3.x for Windows Packages
 - Agent for SOA 6.3.0.0 - January 18, 2016

Overview

This page identifies the package contents for all Universal Agent 6.3.x for Windows maintenance releases, including the initial release, and the maintenance level of every component in each package.

This information is for all Universal Agent 6.3.x for Windows packages:

- Universal Agent
- Universal Enterprise Controller
- UEC Client Application
- Universal Agent for SOA

For each release, changes made to individual components for Windows only, and for Windows and one or more other platforms, are identified. Maintenance level changes to a component for non-Windows platforms are not shown.

For a list of all changes in a release - all platforms, all components - see [All Platforms Package Maintenance Levels - Agent 6.3.x](#).

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.3.x](#).

Universal Agent 6.3.x for Windows Packages

Release	Release Date	Install	Universal Broker	Universal Automation Center Agent	Universal Message Service	Controller Command Line Interface	Universal Certificate	Universal Command Manager	Universal Command Server	Universal Connector	Universal Connector for PeopleSoft	Universal Control	Universal Database Utilities	Univer Data Mover Manag


6.3.0.6	May 24, 2017	6.3.0.2	6.3.0.3	6.3.0.6	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.5
6.3.0.5	April 28, 2017	6.3.0.1	6.3.0.3	6.3.0.4	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.4
6.3.0.4	February 14, 2017	6.3.0.1	6.3.0.3	6.3.0.4	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2		6.3.0.1	6.3.0.1	6.3.0.4
6.3.0.3	September 12, 2016	6.3.0.1	6.3.0.3	6.3.0.3	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2		6.3.0.1	6.3.0.1	6.3.0.3
6.3.0.2	July 14, 2016	6.3.0.0	6.3.0.2	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.1	6.3.0.1		6.3.0.1	6.3.0.1	6.3.0.2
6.3.0.1	March 31, 2016	6.3.0.0	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1		6.3.0.1	6.3.0.1	6.3.0.1
6.3.0.0	January 18, 2016	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0		6.3.0.0	6.3.0.0	6.3.0.0



Note

Install changes refer to changes to the programs, scripts, or supporting files used to install the package. There are no changes to the actual product components.

Agent 6.3.0.6 - May 24, 2017

Change ID	Platform	Component	Description
D-07174	UNIX, Windows	UAGSRV	Format the ls command used for an SFTP File Monitor to use the -l (minus "el") option instead of -1 (minus one) to prevent errors on SFTP servers that do not recognize the -1 (minus one) option.
D-07296	Windows	UAGSRV	Prevent a situation that may result in a "CSProcessCreate: The system cannot find the file specified" error when several Windows tasks that execute scripts with user credentials are launched at once.
D-07559	All	UDM, UDMSRV	Fix a problem that could cause Universal Data Mover to prematurely stop reading a UTF16-encoded file. <div data-bbox="550 954 1921 1084" style="background-color: #ffffcc; padding: 10px; border: 1px solid #ccc;">  Note The problem was observed when trying to transfer a UTF-16BE file to a zOS dataset encoded with the IBM500 codepage. The cause of the problem was related to the size of the input file, and not to the UTF16 translation itself. </div>
D-07566	Windows	Install	Fix a problem that could cause a silent install to fail when <code>RUNBROKERASUSER=0</code> is specified. The install incorrectly tried to authenticate the default credentials for a Broker service account whose password had been changed. The authentication failure was ignored for interactive installs, but caused silent installs to fail.

Agent 6.3.0.5 - April 28, 2017

Change ID	Platform	Component	Description
B-03241	UNIX, Windows	UPPS UPIMERGE	Universal Connector for PeopleSoft that supports integration with the PeopleSoft Process Scheduler. Add upps as an accepted value for the UPI Merge <code>CONFIGURATION_TYPE</code> configuration option.

Agent 6.3.0.4 - February 14, 2017

Change ID	Platform	Component	Description
D-07194	UNIX, Windows	UAGSRV	File Monitors may go to Start Failure on AD Controller reboot/switchover.
D-07295	All	UDM UDMSRV	Ensure that UDM does not write duplicate data to output file following successful NFT recovery. (See Universal Agent 6.3.0.4 Release Information for D-07295.)

Agent 6.3.0.3 - September 12, 2016

Change ID	Platform	Component	Description
B-04648	All	UDM UDMSRV UDMMCENG	Add milliseconds value to built-in variables for access, create, and modify file timestamps.
B-06427	All	UAGSRV UAGMCENG	Add support for new resolvable script Credential Functions: <code>\$_credentialUser('<credential-name>')</code> and <code>\$_credentialPwd('<credential-name>')</code> . Note: This feature requires Universal Controller 6.4.0.0 and later.
B-06503	All	USAP USPMCENG	Add new configuration option, <code>ENABLE_JOB_STATUS_CHECK</code> , to enable/disable calls to <code>BAPI_XBP_JOB_STATUS_CHECK</code> .
D-06511	UNIX, Windows	UAGSRV	File Monitor tasks that end with a Failed status do not always end with non-zero exit codes.
D-06779	All	UDM UDMSRV	Make sure memory allocation errors that occur with large <code>ACK_WINDOW</code> values are reported prior to UDM failure.
D-06781	All	UDM UDMSRV	Make sure memory allocation errors that occur when a large <code>ACK_WINDOW</code> value is used when NFT is disabled are reported prior to UDM failure.
D-06803	All	UDM UDMSRV	Correct problem trimming spaces from very long records.
D-06837	UNIX (except AIX and Solaris SPARC), Windows	USAP	Handle RFC timeouts during calls to <code>RSPC_API_CHAIN_GET_STATUS</code> .
D-06846	Windows	Install	Mask passwords displayed by Stonebranch trace functions in <code>install log</code> .
D-06885	All	UBROKER USSMCENG	Protect initial handshake message protocol from malicious payloads.
D-06888	All	UAGSRV	Clean up temporary script files created by SAP tasks.
D-06893	All	USAP	Use Universal Connector <code>GROUP</code> configuration option instead of <code>mshost</code> value for RFC <code>GROUP</code> connection parameter.

Agent 6.3.0.2 - July 14, 2016

Change ID	Platform	Component	Description
B-05907	UNIX, Windows All	OMSSRV UAGSRV	Add support for TLS 1.2 protocol .
B-06253	All	UDM	Update UDM Manager DATA_COMPRESSION configuration option with new force parameter (that is, compress,force) to allow UDM Managers to override Server-configured compression.
D-01721	All	UDM, UDMSRV	Fix conversion error that may occur when creating a session using UTF-8 or UTF-16 codepages .
D-05880	All	UDM, UDMSRV	Set error return code when the length of a file's records exceeds a zOS datasets's allocated record length .
D-06592	All	UDM	Add a message to display the value of the DATA_COMPRESSION configuration option following UDM Manager/Server session negotiation.
D-06774	All	UBROKER	Improve authentication of message parameters sent during a session negotiation's handshake.

Agent 6.3.0.1 - March 31, 2016

Change ID	Platform	Component	Description
B-05040	UBROKER UCERT UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UQUERY UEMSRV	AIX, Linux x64 (RPM package), Windows, z/OS AIX, Linux x64 (RPM package), Windows	Add support for TLS 1.2 protocol .
B-05825	UENCRYPT	AIX, Linux x64 (RPM package), Windows, z/OS	Create new files using defaults of AES256 encryption and an expanded 32-bit key.
B-05826	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Protect against interception of sensitive information during AES256 encryption .

B-05827	UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UEMSRV UQUERY	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
B-05829	UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UCMMCENG UCTMCENG UDMMCENG UEMMCENG USSMCENG UEMSRV	AIX, Linux x64 (RPM package), Windows, z/OS AIX, Linux x64 (RPM package), Windows	Add support for AES256 encryption , AES256-GCM-SHA384 and AES128-GCM-SHA256.
B-05991	UBROKER UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UCMMCENG UCTMCENG UDMMCENG UEMMCENG USSMCENG UEMSRV	AIX, Linux x64 (RPM package), Windows, z/OS AIX, Linux x64 (RPM package), Windows	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support.

B-06010	USAP USPMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Provide improved client fault tolerance for SAP process chains .
B-06011	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add ability to authenticate Broker's certificate .
B-06017	USAP USPMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Provide ability to release intercepted child jobs .
D-06306	UAGSRV	Windows	DELETE File Monitors succeed when file's owner does not match the value of the task's File Owner field.
D-06367	UBROKER	AIX, Linux x64 (RPM package), Windows, z/OS	Prevent Broker crash when it receives a specially-crafted malformed header.
D-06382	UAGCMD UAGCMDZ	AIX, Linux x64 (RPM package), Windows z/OS	Generate unique names for trace files .
D-06487	UAGSRV	Windows	Add ERROR_NETNAME_DELETED as a retry condition for File Monitor fault tolerance.

Agent 6.3.0.0 - January 18, 2016

Change ID	Platform	Component	Description
B-04736	ALL	UAGSRV	<p>Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors.</p> <p>Two new configuration options are provided:</p> <ul style="list-style-type: none"> FM_FAULT_TOLERANT: Enables fault tolerant file monitor behavior (Default is no). FM_FAULT_TOLERANT_TIMEOUT: The time a file monitor task will wait before failing when fault-tolerant behavior is enabled (Default is 120s). <p>Previously delivered as B-04908 in 6.2.0.1.</p>
B-05138	UNIX, Windows	UEMSRV	<p>Remove license requirement.</p> <p>Previously delivered as B-05480 in 6.2.0.2.</p>
B-05428	All	UAGCMDZ UAGCMD	<p>Update command line help for <code>wait-type</code> and <code>{wait-day-constraint</code> parameters for the ops-task-set-timewait CLI function.</p> <p>Previously delivered as B-05429 in 6.2.0.2.</p>

B-05467	All	UDM, UDMSRV	<p>Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop.</p> <p>Previously delivered as B-05476 in 6.2.0.2.</p>
B-05488	Windows	Install	<p>Add updated Stonebranch logos to install dialogs.</p> <p>Previously delivered as B-05479 in 6.2.0.2.</p>
B-05635	All	UDM, UDMSRV	<p>Add support for UTF-16LE and UTF-16BE codepage values in the open command.</p> <p>Provide a <code>bom={default yes no}</code> attribute to control how byte order marks (BOMs) are managed in files converted to UTF-16.</p> <p>New in this release.</p>
D-03981	All	UDM, UDMSRV	<p>Retry and gracefully handle failed message queue memory allocations.</p> <p>Previously delivered as D-04342 in 6.2.0.2.</p>
D-05777	All	UAGSRV	<p>Make sure <code>\$(ops_trigger_file_name_nopath)</code> contains the correct value if the file name contains spaces.</p> <p>Previously delivered as D-06243 in 6.2.0.3.</p>
D-05830	All	UDM, UDMSRV	<p>Fix "Invalid command" following the last iteration of a forfiles loop when a command is stored in a script variable.</p> <p>Previously delivered as D-05868 in 6.2.0.1.</p>
D-05898	UNIX, Windows	UAGSRV	<p>Fix a file handle leak in FTP File Monitors.</p> <p>Previously delivered as D-05897 in 6.2.0.1.</p>
D-05901	Windows	Install	<p>Fix rendering of install dialogs when executed on a display running at a very high resolution.</p> <p>Previously delivered as D-05876 in 6.2.0.1.</p>
D-05903	All	UAGCMDZ UAGCMD	<p>Update command line help for ops-task-rerun CLI function.</p> <p>Previously delivered as D-06108 in 6.2.0.2.</p>
D-05963	All	UAGCMDZ UAGCMD	<p>Remove condition that can cause ops-trigger-now to become unresponsive.</p> <p>Previously delivered as D-05954 in 6.2.0.1.</p>
D-05987	All	UAGSRV	<p>Successfully return output when "last 1 line" is selected for retrieval.</p> <p>Previously delivered as D-06105 in 6.2.0.2.</p>
D-06062	Windows	UAGSRV	<p>Make sure CREATE File Monitor tasks successfully detect all matching files when several files are created at once.</p> <p>Previously delivered as D-06061 in 6.2.0.1.</p>
D-06113	Windows	Install	<p>Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later installations in order to satisfy installation prerequisite.</p> <p>Previously delivered as D-06112 in 6.2.0.2.</p>

D-06126	All	UDM, UDMSRV	Make value of <code>_existdir</code> built-in variable accessible when the <code>existdir</code> command is called from a subroutine or an external script. Previously delivered as D-06124 in 6.2.0.2.
D-06145	UNIX, Windows	UAGSRV	Prevent all Application Monitor task instances from going into Query Overdue status if any one of the active monitors are stuck in a query. Previously delivered as D-06146 in 6.2.0.2.
D-06163	All	UAGCMDZ UAGCMD	Prevent possible segmentation fault when certain resources become unavailable during processing of an <code>ops-trigger-now</code> command. Previously delivered as D-06164 in 6.2.0.3.
D-06188	UNIX, Windows	USAP	Prevent new instance of process chain from starting when the <code>restart</code> command includes an implicit (-R, Run) or explicit (-S, Start) start command. New in this release.
D-06201	UNIX, Windows	OMS Server	Prevent buildup of unused files during clean-up if an older file contains an unconsumed message. Previously delivered as D-06202 in 6.2.0.3.
D-06237	All	UDM, UDMSRV, UDMMCENG	Make sure wildcard expansion correctly populates built-in <code>\$_file.wildcardn</code> variables when a complete path name is specified in a <code>forfiles</code> statement. Previously delivered as D-06241 in 6.2.0.3.
D-06255	UNIX, Windows	UAGSRV	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover . Previously delivered as D-06151 in 6.2.0.2.
D-06290	Windows	UAGSRV	Correct handling of File Monitor tasks that use the '?' wildcard in file name patterns. New in this release.
D-06322	All	UDM, UDMSRV	Prevent memory leak during <code>forfiles</code> processing. New in this release.
D-06328	UNIX, Windows	UEMSRV	Events fail to become active following upgrade to 6.2.0.3 if no license info is available (license requirements were dropped from UEM in 6.2.0.2). New in this release.

Universal Enterprise Controller 6.3.0 for Windows Packages

Release	Release Date	Universal Enterprise Controller
6.3.0.0	January 18, 2016	6.3.0.0

UEC 6.3.0.0 - January 18, 2016

Change ID	Platform	Component	Description
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B-05138	Windows, z/OS	UECTLR	Remove license requirement. Previously delivered as B-05480 in 6.2.0.2.
D-06262	Windows, z/OS	UECTLR	Universal Brokers cannot be put into managed mode if no license information is defined in the UEC configuration file (license requirements were dropped from UEC in 6.2.0.2). New in this release.

Universal Enterprise Controller Client Applications 6.3.0 for Windows Packages

Release	Release Date	I-Activity Monitor	I-Administrator	I-Management Console
6.3.0.0	January 18, 2016	6.3.0.0	6.3.0.0	6.3.0.0

UEC Client Applications 6.3.0.0 - January 18, 2016

(There have been no changes to this release.)

Universal Agent for SOA 6.3.x for Windows Packages

Release	Release Date	Universal Command Agent for SOA
6.3.0.0	January 18, 2016	6.3.0.0

Agent for SOA 6.3.0.0 - January 18, 2016

Change ID	Platform	Component	Description
D-06113	Windows	Install	Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later installations in order to satisfy installation prerequisite. Previously delivered as D-06112 in 6.2.0.2.

z/OS Package Maintenance Levels - Agent 6.3.x

- Overview
- Universal Agent 6.3.x for z/OS Packages
 - Agent 6.3.0.6 - May 24, 2017
 - Agent 6.3.0.4 - February 14, 2017
 - Agent 6.3.0.3 - September 12, 2016
 - Agent 6.3.0.2 - July 14, 2016
 - Agent 6.3.0.1 - March 31, 2016
 - Agent 6.3.0.0 - January 18, 2016

Overview

This page identifies the package contents for all Universal Agent 6.3.x for z/OS maintenance releases, including the initial release, and the maintenance level of every component in each package.

For each release, changes made to individual components for z/OS only, and for z/OS and one or more other platforms, are identified. Maintenance level changes to a component for non-z/OS platforms are not shown.

For a list of all changes in a release - all platforms, all components - see [All Platforms Package Maintenance Levels - Agent 6.3.x](#).

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.3.x](#).

Universal Agent 6.3.x for z/OS Packages

The following table identifies the maintenance level of all components contained in each Universal Agent 6.3.x for z/OS package.

Release	Release Date	SMP/E Install	Universal Broker	Universal Automation Center Agent	Universal Message Service	Controller Command Line Interface	Universal Certificate	Universal Command Manager	Universal Command Server	Universal Connector	Universal Control	Universal Database Utilities	Universal Data Mover Manager	Universal Data Mover Server
6.3.0.6	May 24, 2017	6.3.0.0	6.3.0.3	6.3.0.6		6.3.0.1	6.3.0.1	6.3.0.2	6.3.0.1	5.2.2.3	6.3.0.2	6.3.0.1	6.3.0.5	6.3.0.5
6.3.0.4	February 14, 2017	6.3.0.0	6.3.0.3	6.3.0.3		6.3.0.1	6.3.0.1	6.3.0.2	6.3.0.1	5.2.2.3	6.3.0.2	6.3.0.1	6.3.0.4	6.3.0.4
6.3.0.3	September 12, 2016	6.3.0.0	6.3.0.3	6.3.0.3		6.3.0.1	6.3.0.1	6.3.0.2	6.3.0.1	5.2.2.3	6.3.0.2	6.3.0.1	6.3.0.3	6.3.0.3
6.3.0.2	July 14, 2016	6.3.0.0	6.3.0.2	6.3.0.2		6.3.0.1	6.3.0.1	6.3.0.2	6.3.0.1	5.2.2.2	6.3.0.2	6.3.0.1	6.3.0.2	6.3.0.2
6.3.0.1	March 31, 2016	6.3.0.0	6.3.0.1	6.3.0.1		6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1	5.2.2.1	6.3.0.1	6.3.0.1	6.3.0.1	6.3.0.1
6.3.0.0	January 18, 2016	6.3.0.0	6.3.0.0	6.3.0.0		6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0	5.2.2.0	6.3.0.0	6.3.0.0	6.3.0.0	6.3.0.0



Note

Install changes refer to changes to the programs, scripts, or supporting files used to install the package. There are no changes to the actual product components.

Agent 6.3.0.6 - May 24, 2017

Change ID	Platform	Component	PTF	Description
B-07352	z/OS	UAGSRV UAGUJI UAGUJV	PS13013	Extend timeouts for acquiring exclusive access to the JSC dataset ENQUEUE .
			PS13014	
			PS13015	
B-07353	z/OS	UAGSRV	PS13013	Extend timeouts for JME creation when launching a z/OS task .
D-07559	All	UDM UDMSRV UDM (HFS)	PS16019	Fix a problem that could cause Universal Data Mover to prematurely stop reading a UTF16-encoded file.
			PS16020	
			PS22011	
D-07562	z/OS	UAGUJV UAGUSI	PS13015	Prevent a conflict with a customer SMF exit that references the same JMR control block locations as UAGSRV SMF exits.
			PS13016	
D-07563	z/OS	UAGUJI	PS13014	Fix a problem that prevents steps containing a DD statement which specifies DSN=NULLFILE to be selected for restart .
D-07564	z/OS	UAGUJI	PS13014	Make sure SKIPST parameters specified for z/OS tasks correctly skip steps that execute PROCs.

Note:
The problem was observed when trying to transfer a UTF-16BE file to a z/OS dataset encoded with the IBM500 codepage. The cause of the problem was related to the size of the input file, and not to the UTF16 translation itself.

Agent 6.3.0.4 - February 14, 2017

Change ID	Platform	Component	PTF	Description
D-07145	z/OS	UDM UDMSRV	PS16017	UDM fails to create UTF16-encoded dataset on z/OS.
			PS22010	
			PS16018	
D-07295	All	UDM UDMSRV	PS16017	Ensure that UDM does not write duplicate data to output file following successful NFT recovery. (See Universal Agent 6.3.0.4 Release Information for D-07295 .)
			PS22010	
			PS16018	



Note

The number of maintenance items delivered for the 6.3.0.x Universal Agent has resulted in a unusually large cumulative PTF for the 6.3.0.4 release. Because of this, the Stonebranch-default #HLQ.UNV.SMP.SMPPTS dataset created by the UNVIN01 install job with an allocation of (TRK,(4500,150,50)) may not be large enough to hold new PTFs.

Whether you're using this particular PDS, or one of your own, we recommend that it now have a primary allocation of 8000 tracks in order to accommodate current and future PTFs. If your dataset is smaller than this, copy your existing dataset, allocate a new one with the larger allocation, and restore it from the backup prior to applying 6.3.0.4 maintenance.

Agent 6.3.0.3 - September 12, 2016

Change ID	Platform	Component	PTF	Description
B-04648	All	UDM UDMSRV UDMMCENG	PS16014, PS22008 PS16015 PS16016 PS22009	Add milliseconds value to built-in variables for access, create, and modify file timestamps.
B-06427	All	UAGSRV UAGMCENG	PS13011 PS13012	Add support for new resolvable script Credential Functions : <code>\${_credentialUser('<credential-name>')}</code> and <code>\${_credentialPwd('<credential-name>')}</code> . Note: This feature requires Universal Controller 6.4.0.0 and later.
B-06503	All	USAP USPCFG USPCFG00 USPMCENG	PS18004 PS18005 PS18007 PS18006	Add new configuration option, ENABLE_JOB_STATUS_CHECK , to enable/disable calls to BAPI_XBP_JOB_STATUS_CHECK.
D-05719	z/OS	UAGUJI	PS13010	Do not retain catalog information for new GDGs and other sequential datasets that did not get created in a job's initial run.
D-06532	z/OS	UAGSRV	PS13011	Make sure z/OS tasks whose jobs end with "\$HASP106 JOB DELETED BY JES2 OR CANCELLED BY OPERATOR BEFORE EXECUTION" do not stay in Submitted status. Note: z/OS 2.x is required to enable this behavior.
D-06779	All	UDM UDMSRV	PS16014 PS22008 PS16015	Make sure memory allocation errors that occur with large ACK_WINDOW values are reported prior to UDM failure.
D-06781	All	UDM UDMSRV	PS16014 PS22008 PS16015	Make sure memory allocation errors that occur when a large ACK_WINDOW value is used when NFT is disabled are reported prior to UDM failure.

D-06803	All	UDM UDMSRV	PS16014 PS22008 PS16015	Correct problem trimming spaces from very long records.
D-06883	z/OS	UDM UDMSRV	PS16014 PS22008 PS16015	Fix incorrectly reported memory error when transferring datasets with RECFM=U and LRECL=0 .
D-06885	All	UBROKER USSMCENG	PS14017 PS14018	Protect initial handshake message protocol from malicious payloads.
D-06888	All	UAGSRV	PS13011	Clean up temporary script files created by SAP tasks.
D-06893	All	USAP	PS18004	Use Universal Connector GROUP configuration option instead of mshost value for RFC GROUP connection parameter.
D-06909	z/OS	UAGSRV	PS13011	Make sure jobs that end with S822 are reported correctly to Universal Controller.
D-06920	z/OS	UDM UDMSRV	PS16014 PS22008 PS16015	Do not fail conversion of an FBA dataset that starts with an ASA form feed character.
D-06940	z/OS	UAGSRV	PS13011	Prevent reserve deadlock when running multiple 6.3.0.x Agents.

Agent 6.3.0.2 - July 14, 2016

Change ID	Platform	Component	PTF	Description
B-03155	z/OS	UDM, UDMSRV	PS16008, PS16009	Add support for ASA control character conversion/formatting.
B-05907	All	UAGSRV, UAGMCENG, UAGCFG00, UAGCFG	PS13003 PS13008 PS13009 PS13007	Add support for TLS 1.2 protocol.
B-06253	All	UDM	PS16008	Update UDM Manager DATA_COMPRESSION configuration option with new force parameter (that is, compress,force) to allow UDM Managers to override Server-configured compression.
D-01721	All	UDM UDMSRV	PS16008 PS16009	Fix conversion error that may occur when creating a session using UTF-8 or UTF-16 codepages.

D-05592	z/OS	UAGSRV UAGUSI	PS13003 PS13006	<p>When the initial run or restart of a job results in all executed steps being flushed (except for our step OPSSTP00 that executes UAGRERUN) the task will fail with the error "All steps flushed", provided there are no other errors (for example, JCL errors) that caused the steps to flush.</p> <p>Note: This functionality will also apply if the "Skip Steps" feature is used to skip all steps in a job. To skip execution of the entire job and allow any successors to run, the "Force Finish" or "Skip" commands may still be used for the task.</p>
D-05880	All	UDM UDMSRV	PS16008 PS16009	Set error return code when the length of a file's records exceeds a zOS datasets's allocated record length .
D-06547	z/OS	UAGSRV	PS13003	Ensure JCL statements are padded with blanks instead of NULLs.
D-06559	z/OS	UAGSRV	PS13003	Fix error that prevents return of job output to original MSGCLASS when the UAG JES_SYSOUT_DISP configuration option value is RELEASE,*.
D-06592	All	UDM	PS16008	Add a message to display the value of the DATA_COMPRESSION configuration option following UDM Manager/Server session negotiation.
D-06620	z/OS	UBROKER UCMD UCTL UDM UDMCFG USSMCENG UCMMCENG UCTMCENG UDMMCENG UBRCFG00 UCMCFG00 UCMCFGU0 UCTCFG00 UCTCFGU0 UDMCFG00 UDMCFGU0 UDSCFG00	PS14011 PS15008 (MVS), PS21005 (USS) PS14012 (MVS), PS20006 (USS) PS16008 (MVS), PS22005 (USS) PS16010 PS14014 PS15009 (MVS), PS21006 (USS) PS14013 (MVS), PS20007 (USS) PS16011 (MVS), PS22006 (USS) PS14015 PS15010 PS21007 PS14016 PS20008 PS16012 PS22007 PS16013	<p>Issue error when the SSL_IMPLEMENTATION configuration option value is system and MIN_SSL_PROTOCOL configuration option value is TLS1_2, and/or an SSL cipher that requires TLS 1.2 protocol support is specified in a control or data session cipher list.</p> <p>Note: Support for TLS 1.2 when IBM System SSL is used will be provided in an upcoming release of Universal Agent. Until then, TLS 1.2 support is available with OpenSSL.</p>
D-06679	AIX, Solaris SPARC, z/OS	USAP	PS18003	Prevent XBP 3.0 Create Variant operation failure when SAP note 1144882 has been applied to system.
D-06721	z/OS	UAGUJI UAGUJV	PS13004 PS13005	Prevent possible abend when encountering SWA control blocks that reside above the bar.

D-06751	z/OS	UAGSRV	PS13003	Prevent possible S0C4 in UAGSRV function WjssLocalJmeDelete().
D-06774	All	UBROKER	PS14011	Improve authentication of message parameters sent during a session negotiation's handshake.
D-06836	AIX, Solaris SPARC, z/OS	USAP	PS18003	Handle RFC timeouts during calls to RSPC_API_CHAIN_GET_STATUS.
D-06838	AIX, Solaris SPARC, z/OS	USAP	PS18003	Handle FAILED " exception from RSPC_API_CHAIN_GET_PROCESSES function.

Agent 6.3.0.1 - March 31, 2016

Change ID	Platform	Component	PTF	Description
B-05040	UBROKER UCERT UCMD UCMSRV UCTL UCTSRV UDM UDMSRV UEM UQUERY UEMSRV	AIX, Linux x64 (RPM package), Windows, z/OS AIX, Linux x64 (RPM package), Windows	PS14001 PS19001,PS24001 PS15001,PS21001 PS15002 PS14002,PS20001 PS14003 PS16001,PS22001 PS16002 PS17001 PS14004,PS20003 PS17002	Add support for TLS 1.2 protocol .
B-05825	UENCRYPT	AIX, Linux x64 (RPM package), Windows, z/OS	PS19002,PS24002	Create new files using defaults of AES256 encryption and an expanded 32-bit key.
B-05826	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	PS16001,PS22001 PS16002 PS16004	Protect against interception of sensitive information during user authentication .

B-05829	UBROKER	AIX, Linux x64 (RPM package), Windows, z/OS	PS14001	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.
	UCMD		PS15001,PS21001	
	UCMSRV			
	UCTL		PS15002	
	UCTSRV		PS14002,PS20001	
	UDM			
	UDMSRV		PS14003	
	UEM		PS16001,PS22001	
	UCMMCENG			
			PS16002	
			PS17001,PS23001	
	UCTMCENG			
	UDMMCENG			
			PS15005,PS21002	
	UEMMCENG			
		PS14007,PS20002		
	USSMCENG			
		PS16004,PS22002		
		PS17003,PS23002		
	UBRCFG00			
	UCMCFGU0			
	UCMCFG00	PS14008		
	UCSCFG00			
	UCTCFGU0	PS14009		
	UCTCFG00	PS21004		
	UCTCFG00	PS15006		
	UDMCFGU0	PS15007		
UDMCFG00	PS20005			
UDSCFG00	PS14010			
UEMCFGU0	PS22004			
UEMCFG00	PS16006			
	PS16007			
UBRCFG	PS23004			
UCMCFG	PS17004			
UCMCFGU				
UCSCFG	PS14005			
UCTCFG	PS15003			
UCTCFGU	PS21003			
UDMCFG	PS15004			
UDMCFGU	PS14006			
UDSCFG	PS20004			
UEMCFG	PS16003			
UEMCFGU	PS22003			
	PS16005			
UEMSRV	PS17002			
	PS23003			
	n/a			

B-06011	UDM UDMSRV UDMMCENG UDMCFG00 UDMCFGU0 UDSCFG00 UDMCFG UDMCFGU UDSCFG	AIX, Linux x64 (RPM package), Windows, z/OS	PS16001 PS16002 PS16004 PS16006 PS22004 PS16007 PS16003 PS23003 PS16005	Add ability to authenticate Broker's certificate .
B-06017	USAP USPMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	PS18001 PS18002	Provide ability to release intercepted child jobs .
D-06367	UBROKER	AIX, Linux x64 (RPM package), Windows, z/OS	PS14001	Prevent Broker crash when it receives a specially-crafted malformed header.
D-06382	UAGCMD UAGCMDZ	AIX, Linux x64 (RPM package), Windows z/OS	n/a PS13001	Generate unique names for trace files .
D-06437	UAGSRV	z/OS	PS13002	Prevent possible S0C4 during variable substitution.
D-06440	UAGSRV	z/OS	PS13002	Tasks may stay in Submitted state after failing with a JCL error.
D-06443	UAGSRV	z/OS	PS13002	Prevent jobnames that start with IEFC from falsely reporting a JCL error.
D-06456	UAGSRV	z/OS	PS13002	Fix behavior that allows the Job Submission Checkpoint (JSC) dataset to contain duplicate keys, resulting in zOS tasks that stay in Submitted status.

Agent 6.3.0.0 - January 18, 2016

Change ID	Platform	Component	PTF	Description
B-03124	z/OS	UAGSRV	N/A	Add ability for batch jobs submitted via a z/OS task to execute on any image in a Sysplex environment. New in this release.

B-04736	All	UAGSRV	N/A	<p>Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors.</p> <p>Two new configuration options are provided:</p> <ul style="list-style-type: none"> • FM_FAULT_TOLERANT: Enables fault tolerant file monitor behavior (Default is no). • FM_FAULT_TOLERANT_TIMEOUT: The time a file monitor task will wait before failing when fault-tolerant behavior is enabled (Default is 120s). <p>Previously delivered as B-04908 in 6.2.0.1.</p>
B-05138	Windows, z/OS	UECTLR	N/A	<p>Remove license requirement.</p> <p>Previously delivered as B-05480 in 6.2.0.2.</p>
B-05428	z/OS	UAGCMDZ	N/A	<p>Update command line help for <code>wait-type</code> and <code>{wait-day-constraint}</code> parameters for the ops-task-set-timewait CLI function.</p> <p>Previously delivered as B-05429 in 6.2.0.2.</p>
B-05467	All	UDM, UDMSRV	N/A	<p>Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop.</p> <p>Previously delivered as B-05476 in 6.2.0.2.</p>
B-05635	All	UDM, UDMSRV	N/A	<p>Add support for UTF-16LE and UTF-16BE codepage values in the open command.</p> <p>Provide a <code>bom={default yes no}</code> attribute to control how byte order marks (BOMs) are managed in files converted to UTF-16.</p> <p>New in this release.</p>
B-05646	z/OS	Install	N/A	<p>Update install job UNVIN07 to allocate a JSC dataset and set the <code>jsc_dataset</code> option the UAGCFG00 configuration member during a new install.</p> <p>New with this release.</p>
B-05662	z/OS	UBROKER	N/A	<p>Add SYSPLEX_ROLE configuration option to set an Agent's participation in Sysplex to none (default), primary, or secondary.</p> <p>New in this release.</p>
B-05801	z/OS	Install	N/A	<p>Add a new install job, UNVIN10, to allocate the JSC dataset during an upgrade from an earlier release.</p> <p>NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment.</p> <p>New with this release.</p>
B-05805	z/OS	UAGSRV	N/A	<p>Add ability to specify a Job Submission Checkpoint (JSC) dataset and Coupling Facility structure via the JSC_DATASET and CF_STRUCT_NAME configuration options, respectively.</p> <p>NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment. A new install job, UNVIN10, is provided to allocate a JSC dataset if none exists (an upgrade from an earlier release). For new installs, the dataset is created in UNVIN07.</p> <p>New with this release.</p>
D-03981	All	UDM, UDMSRV	N/A	<p>Retry and gracefully handle failed message queue memory allocations.</p> <p>Previously delivered as D-04342 in 6.2.0.2.</p>

D-05777	All	UAGSRV	N/A	<p>Make sure <code>\${ops_trigger_file_name_nopath}</code> contains the correct value if the file name contains spaces.</p> <p>Previously delivered as D-06243 in 6.2.0.3.</p>
D-05830	All	UDM, UDMSRV	N/A	<p>Fix "Invalid command" following the last iteration of a <code>forfiles</code> loop when a command is stored in a script variable.</p> <p>Previously delivered as D-05868 in 6.2.0.1.</p>
D-05855	z/OS	UAGSRV	N/A	<p>Fix a problem that may prevent Create and Delete <code>File Monitors</code> from completing.</p> <p>Previously delivered as D-05867 in 6.2.0.1.</p>
D-05878	z/OS	UAGSRV	N/A	<p>Make sure that <code>z/OS tasks</code> with step condition codes require confirmation when JCL changes are made prior to rerun.</p> <p>Previously delivered as D-05889 in 6.2.0.1.</p>
D-05903	z/OS	UAGCMDZ	N/A	<p>Update command line help for <code>ops-task-rerun</code> CLI function.</p> <p>Previously delivered as D-06108 in 6.2.0.2.</p>
D-05960	z/OS	UAGRERUN	N/A	<p>Remove <code>PARM=xxx</code> debug statement when <code>UAGRERUN</code> is executed outside of <code>UAGSRV</code>.</p> <p>New in this release.</p>
D-05963	z/OS	UAGCMDZ	N/A	<p>Remove condition that can cause <code>ops-trigger-now</code> to become unresponsive.</p> <p>Previously delivered as D-05954 in 6.2.0.1.</p>
D-05987	All	UAGSRV	N/A	<p>Successfully return output when "last 1 line" is selected for retrieval.</p> <p>Previously delivered as D-06105 in 6.2.0.2.</p>
D-06005	z/OS	UAGU83	N/A	<p>Make sure that <code>z/OS tasks</code> with step condition codes require confirmation when JCL changes are made prior to rerun.</p> <p>Previously delivered as D-05889 in 6.2.0.1.</p>
D-06126	All	UDM, UDMSRV	N/A	<p>Make value of <code>_existdir</code> built-in variable accessible when the <code>existdir</code> command is called from a subroutine or an external script.</p> <p>Previously delivered as D-06124 in 6.2.0.2.</p>
D-06163	z/OS	UAGCMDZ, UAGCMD	N/A	<p>Prevent possible segmentation fault when certain resources become unavailable during processing of an <code>ops-trigger-now</code> command.</p> <p>Previously delivered as D-06164 in 6.2.0.3.</p>
D-06237	All	UDM, UDMSRV, UDMMCENG	N/A	<p>Make sure wildcard expansion correctly populates built-in <code>\$_file.wildcardn</code> variables when a complete path name is specified in a <code>forfiles</code> statement.</p> <p>Previously delivered as D-06241 in 6.2.0.3.</p>
D-06262	Windows, z/OS	UECTLR	N/A	<p>Universal Brokers cannot be put into <code>managed mode</code> if no license information is defined in the UEC configuration file (license requirements were dropped from UEC in 6.2.0.2).</p> <p>New in this release.</p>

D-06278	z/OS	UAGSRV	N/A	Fix substitution of MSGCLASS and CLASS variables of more than 1 character. New in this release.
D-06322	All	UDM, UDMSRV	N/A	Prevent memory leak during forfiles processing. New in this release.

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.3.x](#).

IBM i Package Maintenance Levels - Agent 6.3.x



Currently, IBM i runs Workload Automation 5.1.0. This page provides information for that version.

Overview

This page identifies the package contents for the single Workload Automation 5.1.0 for IBM i release, and the maintenance level of every component in that package.

Workload Automation 5.1.0 for IBM i Package

Release	Release Date	Universal Broker	Universal Automation Center Agent	Universal Certificate	Universal Command Manager	Universal Command Server	Universal Connector	Universal Control	Universal Database Utilities	Universal Data Mover	Universal Encrypt	Universal Enterprise Controller	Universal Event Monitor
5.1.0.0	January 27, 2012	5.1.0.0			5.1.0.0	5.1.0.0				5.1.0.0	5.1.0.0	5.1.0.0	

HP NonStop Package Maintenance Levels - Agent 6.3.x

- Overview
- Universal Command 2.1.1 for HP NonStop Packages
 - 2.1.1.5 - July 29, 2016
 - 2.1.1.4 - July 10, 2013
 - 2.1.1.3 - September 3, 2008
 - 2.1.1.2 - January 23, 2004
 - 2.1.1.1 - September 30, 2003



Currently, HP NonStop runs Universal Command 2.1.1. These pages provide information for that version.

Overview

This page identifies the package contents for all Universal Command 2.1.1 for HP NonStop maintenance releases and the maintenance level of every component in each package.

For each release, changes made to individual components only for HP NonStop are identified. Maintenance level changes to a component for non-HP NonStop platforms are not shown.

Universal Command 2.1.1 for HP NonStop Packages

Release	Release Date	Universal Broker	Universal Command Manager	Universal Command Server	Universal Control Manager	Universal Control Server	Universal Query	Universal Encrypt	Universal Message Translator
2.1.1.5	July 29, 2016	2.1.1.5	2.1.1.5	2.1.1.5	2.1.1.5	2.1.1.5	2.1.1.5	2.1.1.5	2.1.1.5
2.1.1.4	July 10, 2013	2.1.1.3	2.1.1.3	2.1.1.4	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3
2.1.1.3	September 3, 2008	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3	2.1.1.3
2.1.1.2	January 23, 2004	2.1.1.2	2.1.1.2	2.1.1.2	2.1.1.2	2.1.1.2	2.1.1.2	2.1.1.2	2.1.1.2
2.1.1.1	September 30, 2003	2.1.1.1	2.1.1.1	2.1.1.1	2.1.1.1	2.1.1.1	2.1.1.1	2.1.1.1	2.1.1.1
2.1.1.0	July 7, 2003	2.1.1.0	2.1.1.0	2.1.1.0	2.1.1.0	2.1.1.0	2.1.1.0	2.1.1.0	2.1.1.0

2.1.1.5 - July 29, 2016

(No component changes for this release; Installation scripts were modified for the x86 platform.)

2.1.1.4 - July 10, 2013

Change ID	Platform	Component	Description
D-03227	Integrity	UCMSRV	IPC files are not being cleaned up on the HP Nonstop platform.
D-03228	Integrity	UCMSRV	A setuid failure happens whenever jobs are executed on the HP Nonstop platform.

2.1.1.3 - September 3, 2008

Change ID	Platform	Component	Description
UCM-992	Itanium	UCMD	HP NonStop Itanium support.

2.1.1.2 - January 23, 2004

Change ID	Platform	Component	Description
CR01135	HP NonStop	UCMSRV	Certain errors, such as OBEY file not found, were not properly detected and resulted in exit code 0.
CR01137	HP NonStop	UCOPY	UCOPY always created files with file code 180. UCOPY is now capable of creating Guardian EDIT files as well as C files (180).
DF01060	HP NonStop	UBROKER	The ubrokerd script with the status argument only worked if run with the same user identifier as the broker is executing. Any user can now successfully execute the status command.
DF01325	HP NonStop	UBROKER	Broker log file permission was set so that only the user identifier with which the broker is running could read it. This identifier is normally super.super . File permissions are now set so everyone can read them.
DF01326	HP NonStop	UCMSRV	Server trace file permission was set so that only the user identifier with which the broker is running could read them. This identifier is normally super.super . File permissions are now set so everyone can read them.
DF01335	HP NonStop	UBROKER	The broker unv.log file does not roll over to the next generation.

2.1.1.1 - September 30, 2003

Change ID	Platform	Component	Description
CR01023	HP NonStop	UCMSRV	Added the server options CPU and PRIORITY . The CPU option permits a UCMD manager to specify the processor on which the user job executes. The PRIORITY option permits a UCMD manager to specify the priority with which the user job executes. The UCMD manager can specify both options with the manager's SERVER option (-S or -server).
DF01000	HP NonStop	UCMSRV	Standard input redirection was enabled. Changed the UCOPY program from a Guardian program to an OSS program to prevent gtacl from manipulating the data transferred in binary mode. Added the UCMD server option SCRIPT_TYPE in order to support both TACL and OSS commands and scripts. The UCMD manager can specify the option with the manager's SERVER option (-S or -server).

DF01027	HP NonStop	UBROKER	The time values printed in the UCMD messages were not correct. The C run-time library's TZ environment variable controls time values by specifying the time zone for the program. The TZ environment variable has been added to the UBROKERD startup script.
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Component Maintenance Levels - Agent 6.3.x

- Introduction
- Universal Agent for Command Line Interface
- Universal Agent for SOA
- Universal Automation Center Agent
- Universal Broker
- Universal Certificate
- Universal Command
- Universal Connector for SAP
- Universal Connector for PeopleSoft
- Universal Control
- Universal Data Mover
- Universal Encrypt
- Universal Enterprise Controller
- Universal Event Monitor
- Universal Message Service (OMS)
- Universal Products Install Merge
- Universal Query
- Install

Introduction

This page summarizes the changes introduced in each component maintenance release for Universal Agent 6.3.x.

For a list of all component changes included in the maintenance release for each platform, see:

- [z/OS Package Maintenance Levels](#)
- [Windows Package Maintenance Levels](#)
- [UNIX Package Maintenance Levels](#)

Universal Agent for Command Line Interface

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
D-06382	UAGCMD	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Generate unique names for trace files . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
D-06382	UAGCMD	AIX, Linux x64 (RPM package),	Generate unique names for trace files .
	UAGCMDZ	Windows z/OS	Previously delivered as D-05890 in 6.2.0.1.

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-05428	UAGCMDZ UAGCMD	All	Update command line help for <code>wait-type</code> and <code>{{wait-day-constraint}}</code> parameters for the ops-task-set-timewait CLI function. Previously delivered as B-05429 in 6.2.0.2.
D-05903	UAGCMDZ UAGCMD	All	Update command line help for ops-task-rerun CLI function. Previously delivered as D-06108 in 6.2.0.2.
D-05963	UAGCMDZ UAGCMD	All	Remove condition that can cause ops-trigger-now to become unresponsive. Previously delivered as D-05954 in 6.2.0.1.
D-06163	UAGCMDZ UAGCMD	All	Prevent possible segmentation fault when certain resources become unavailable during processing of an ops-trigger-now command. Previously delivered as D-06164 in 6.2.0.3.


Universal Agent for SOA

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
D-06113	Install	Windows	Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later installations in order to satisfy installation prerequisite. Previously delivered as D-06112 in 6.2.0.2.

Universal Automation Center Agent

Release 6.3.0.6 - May 24, 2017

Change ID	Component	Platform	Description
B-07352	UAGSRV, UAGUJI, UAGUJV	z/OS	Extend timeouts for acquiring exclusive access to the JSC dataset ENQUEUE.
B-07353	UAGSRV	z/OS	Extend timeouts for JME creation when launching a z/OS task.
D-07174	UAGSRV	UNIX, Windows	Format the ls command used for an SFTP File Monitor to use the -l (minus "el") option instead of -1 (minus one) to prevent errors on SFTP servers that do not recognize the -1 (minus one) option.
D-07251	UAGSRV	UNIX	Make sure CREATE file monitors executed on Unix do not complete until the task's stability criteria is satisfied.
D-07296	UAGSRV	Windows	Prevent a situation that may result in a "CSProcessCreate: The system cannot find the file specified" error when several Windows tasks that execute scripts with user credentials are launched at once.
D-07557	UAGSRV	UNIX	Fix a memory leak that can occur for File Monitor tasks that execute on Unix agents. <div style="background-color: #ffffcc; padding: 10px; border: 1px solid #ccc;">  Note: This memory leak is actually attributed to the ops_monitor process, which executes on behalf of UAGSRV. </div>
D-07562	UAGUJV, UAGUSI	z/OS	Prevent a conflict with a customer SMF exit that references the same JMR control block locations as UAGSRV SMF exits.
D-07563	UAGUJI	z/OS	Fix a problem that prevents steps containing a DD statement which specifies DSN=NULLFILE to be selected for restart.
D-07564	UAGUJI	z/OS	Make sure SKIPST parameters specified for z/OS tasks correctly skip steps that execute PROCs.

Release 6.3.0.4 - February 14, 2017

Change ID	Component	Platform	Description
D-07194	UAGSRV	UNIX, Windows	File Monitors may go to Start Failure on AD Controller reboot/switchover.
D-07201	UAGSRV	UNIX, Windows	Tasks with UACL fail with "CSProcessCreate failed: KrnProcessCreate" if the Agent is running as root.

Release 6.3.0.3 - September 12, 2016

Change ID	Component	Platform	Description
B-06427	UAGSRV UAGMCENG	All	Add support for new resolvable script Credential Functions: \${_credentialUser('<credential-name>')} and \${_credentialPwd('<credential-name>')}. Note: This feature requires Universal Controller 6.4.0.0 and later.
D-05719	UAGUJI	z/OS	Do not retain catalog information for new GDGs and other sequential datasets that did not get created in a job's initial run.
D-06468	UAGSRV	UNIX	Make sure all error information is reported for an EXISTS File Monitor task that fails because the path name specified in the task definition does not exist.

D-06511	UAGSRV	UNIX, Windows	File Monitor tasks that end with a Failed status do not always end with non-zero exit codes.
D-06532	UAGSRV	z/OS	Make sure z/OS tasks whose jobs end with “\$HASP106 JOB DELETED BY JES2 OR CANCELLED BY OPERATOR BEFORE EXECUTION” do not stay in Submitted status. Note: z/OS 2.x is required to enable this behavior.
D-06782	UAGSRV	UNIX	Allow SFTP server port to be overridden when password-based authentication is used with SFTP File Transfer tasks .
D-06888	UAGSRV	All	Clean up temporary script files created by SAP tasks .
D-06909	UAGSRV	z/OS	Make sure jobs that end with S822 are reported correctly to Universal Controller.
D-06940	UAGSRV	z/OS	Prevent reserve deadlock when running multiple 6.3.0.x Agents.

Release 6.3.0.2 - July 16, 2016

Change ID	Component	Platform	Description
B-05827	UAGSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05907	UAGSRV	All	Add support for TLS 1.2 protocol .
D-05592	UAGSRV	z/OS	When the initial run or restart of a job results in all executed steps being flushed (except for our step OPSSTP00 that executes UAGRERUN) the task will tail with the error “All steps flushed,” provided there are no other errors (for example, JCL errors) that caused the steps to flush. Note: This functionality will also apply if the “Skip Steps” feature is used to skip all steps in a job. To skip execution of the entire job and allow any successors to run, the “Force Finish” or “Skip” commands may still be used for the task.

D-06350	UAGSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Fix inconsistency between number of File Monitors shown in the Controller and that reported by ops_monitor. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06406	UAGSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Allow concurrent File Monitor instances to search for files using regular expressions that contain a comma. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06547	UAGSRV	z/OS	Ensure JCL statements are padded with blanks instead of NULLs.
D-06559	z/OS	UAGSRV	Fix error that prevents return of job output to original MSGCLASS when the UAG JES_SYSOUT_DISP configuration option value is RELEASE,*.
D-06721	UAGUJI. UAGUJV	z/OS	Prevent possible abend when encountering SWA control blocks that reside above the bar.
D-06751	UAGSRV	z/OS	Prevent possible S0C4 in UAGSRV function WjssLocalJmeDelete().

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05827	UAGSRV	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
D-06306	UAGSRV	Windows	DELETE file monitors succeed when file's owner does not match the value of the task's File Owner field.
D-06350	UAGSRV	AIX	Fix inconsistency between number of File Monitors shown in the Controller and that reported by ops_monitor.
D-06406	UAGSRV	AIX, Linux x64 (RPM package)	Allow concurrent File Monitor instances to search for files using regular expressions that contain a comma.

D-06437	UAGSRV	z/OS	Prevent possible S0C4 during variable substitution.
D-06440	UAGSRV	z/OS	Tasks may stay in Submitted state after failing with a JCL error.
D-06443	UAGSRV	z/OS	Prevent jobnames that start with IEFC from falsely reporting a JCL error.
D-06456	UAGSRV	z/OS	Fix behavior that allows the Job Submission Checkpoint (JSC) dataset to contain duplicate keys, resulting in zOS tasks that stay in Submitted status.
D-06487	UAGSRV	Windows	Add ERROR_NETNAME_DELETED as a retry condition for file monitor fault tolerance.

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-03124	UAGSRV	z/OS	Add ability for batch jobs submitted via a z/OS task to execute on any image in a Sysplex environment. New in this release.
B-04736	UAGSRV	All	Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors. Two new configuration options are provided: <ul style="list-style-type: none"> • FM_FAULT_TOLERANT: Enables fault tolerant file monitor behavior (Default is no). • FM_FAULT_TOLERANT_TIMEOUT: The time a file monitor task will wait before failing when fault-tolerant behavior is enabled (Default is 120s). Previously delivered as B-04908 in 6.2.0.1.
B-05646	Install	z/OS	Update install job UNVIN07 to allocate a JSC dataset and set the jsc_dataset option the UAGCFG00 configuration member during a new install . New with this release.
B-05801	Install	z/OS	Add a new install job, UNVIN10, to allocate the JSC dataset during an upgrade from an earlier release. NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment. New with this release.
B-05805	UAGSRV	z/OS	dd ability to specify a Job Submission Checkpoint (JSC) dataset and Coupling Facility structure via the JSC_DATASET and CF_STRUCT_NAME configuration options, respectively. NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment. A new install job, UNVIN10, is provided to allocate a JSC dataset if none exists (an upgrade from an earlier release). For new installs , the dataset is created in UNVIN07. New with this release.
D-05777	UAGSRV	All	Make sure \${ops_trigger_file_name_nopath} contains the correct value if the file name contains spaces. Previously delivered as D-06243 in 6.2.0.3.
D-05855	UAGSRV	z/OS	Fix a problem that may prevent Create and Delete File Monitors from completing. Previously delivered as D-05867 in 6.2.0.1.

D-05863	UAGSRV	UNIX	Populate appropriate built-in variables when a MISSING File Monitor which uses regular expressions fails. Previously delivered as D-05873 in 6.2.0.1.
D-05878	UAGSRV	z/OS	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun. Previously delivered as D-05889 in 6.2.0.1.
D-05898	UAGSRV	UNIX, Windows	Fix a file handle leak in FTP File Monitors . Previously delivered as D-05897 in 6.2.0.1.
D-05943	UAGSRV	UNIX	Prevent possible deadlock when several File Monitor task instances start and finish simultaneously. Previously delivered as D-05944 in 6.2.0.1.
D-05960	UAGRERUN	z/OS	Remove PARM=xxx debug statement when UAGRERUN is executed outside of UAGSRV. New in this release.
D-05987	UAGSRV	All	Successfully return output when "last 1 line" is selected for retrieval. Previously delivered as D-06105 in 6.2.0.2.
D-05996	UAGSRV	UNIX	Prevent display of "Error obtaining results" error message when no matching files are found. Previously delivered as D-06007 In 6.2.0.1.
D-06005	UAGU83	z/OS	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun. Previously delivered as D-05889 in 6.2.0.1.
D-06062	UAGSRV	Windows	Make sure CREATE File Monitor tasks successfully detect all matching files when several files are created at once. Previously delivered as D-06061 in 6.2.0.1.
D-06075	UAGSRV	UNIX	Fix format of CPU identification string for Linux S390 systems. Previously delivered as D-06106 in 6.2.0.2.
D-06094	UAGSRV	UNIX	Fix problem monitoring files larger than 2GB on AIX. Previously delivered as D-06096 in 6.2.0.2.
D-06145	UAGSRV	UNIX, Windows	Prevent all Application Monitor task instances from going into Query Overdue status if any one of the active monitors are stuck in a query. Previously delivered as D-06146 in 6.2.0.2.
D-06246	UAGSRV	UNIX	Fix possible memory leak for File Monitor tasks . Previously delivered as D-06247 in 6.2.0.3.
D-06255	UAGSRV	UNIX, Windows	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover . Previously delivered as D-06151 in 6.2.0.2.

D-06278	UAGSRV	z/OS	Fix substitution of MSGCLASS and CLASS variables of more than 1 character. New in this release.
D-06290	UAGSRV	Windows	Correct handling of File Monitor tasks that use the '?' wildcard in file name patterns. New in this release.

Universal Broker

Release 6.3.0.3 - September 12, 2016

Change ID	Component	Platform	Description
D-06885	UBROKER	All	Protect initial handshake message protocol from malicious payloads.

Release 6.3.0.2 - July 14, 2016

Change ID	Component	Platform	Description
B-05040	UBROKER	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05827	UBROKER	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux\	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

B-05829	UBROKER, USSMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05991	UBROKER, USSMCENG, UBRCFG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add <code>MIN_SSL_PROTOCOL</code> configuration option to manage TLS application protocol support. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06367	UBROKER	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Prevent Broker crash when it receives a specially-crafted malformed header. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06620	UBROKER, UBFCFG, USSMCENG	z/OS	Issue error when the <code>SSL_IMPLEMENTATION</code> configuration option value is system and <code>MIN_SSL_PROTOCOL</code> configuration option value is TLS1_2 , and/or an SSL cipher that requires TLS 1.2 protocol support is specified in a control or data session cipher list. Note: Support for TLS 1.2 when IBM System SSL is used will be provided in an upcoming release of Universal Agent. Until then, TLS 1.2 support is available with OpenSSL.
D-06774	UBROKER	All	Improve authentication of message parameters sent during a session negotiation's handshake.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05040	UBROKER	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 protocol .
B-05827	UBROKER	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
B-05829	UBROKER USSMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.
B-05991	UBROKER USSMCENG UBRCFG	AIX, Linux x64 (RPM package), Windows, z/OS	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support.
D-06367	UBROKER	AIX, Linux x64 (RPM package), Windows, z/OS	Prevent Broker crash when it receives a specially-crafted malformed header.

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-05662	UBROKER	z/OS	Add SYSPLEX_ROLE configuration option to set an Agent's participation in Sysplex to none (default), primary, or secondary. New in this release.

Universal Certificate

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
B-05040	UCERT	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

B-05829	UCERT	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
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Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05040	UCERT	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 protocol .
B-05829	UCERT	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.

Universal Command

Release 6.3.0.2 - July 14, 2016

Change ID	Component	Platform	Description
B-05040	UCMD, UCMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05827	UCMD, UCMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

B-05829	UCMD, UCMSRV, UCMMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05991	UCMD, UCMSRV, UCMMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06620	UCMD, UCMCFG, UCMMCENG	z/OS	Issue error when <code>ssl_implementation</code> option is SYSTEM, and <code>min_ssl_protocol</code> is TLS1_2 and/or an SSL cipher that requires TLS 1.2 support is specified in a control or data session cipher list. Note: Support for TLS 1.2 when IBM System SSL is used will be provided in an upcoming release of Universal Agent. Until then, TLS 1.2 support is available with OpenSSL.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05040	UCMD UCMSRV	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 protocol .
B-05827	UCMD UCMSRV	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
B-05829	UCMD UCMSRV UCMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.
B-05991	UCMD UCMSRV UCMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add MIN_SSL_PROTOCOL option to manage TLS application protocol support.

Universal Connector for SAP

Release 6.3.0.2 - September 12, 2016

Change ID	Component	Platform	Description
B-06503	USAP USPMCENG USAP Configuration File and Template	All	Add new configuration option, ENABLE_JOB_STATUS_CHECK , to enable/disable calls to BAPI_XBP_JOB_STATUS_CHECK .
D-06837	USAP	UNIX (except AIX and Solaris SPARC), Windows	Handle RFC timeouts during calls to RSPC_API_CHAIN_GET_STATUS .
D-06893	USAP	All	Use Universal Connector GROUP configuration option instead of mshost value for RFC GROUP connection parameter.

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
B-06010	USAP, USPMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris SPARC, zLinux	Provide improved client fault tolerance for SAP process chains . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06017	USAP, USPMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris SPARC, zLinux	Provide ability to release intercepted child jobs . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06679	USAP	AIX, Solaris SPARC, z/OS	Prevent XBP 3.0 Create Variant operation failure when SAP note 1144882 has been applied to system.
D-06836	USAP	AIX, Solaris SPARC, z/OS	Handle RFC timeouts during calls to RSPC_API_CHAIN_GET_STATUS .
D-06838	USAP	AIX, Solaris SPARC, z/OS	Handle FAILED exception from RSPC_API_CHAIN_GET_PROCESSES function.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05827	USAP	AIX, Linux x64 (RPM package), Windows, z/OS	Turn off world readable flag for application configuration and log files.
B-06010	USAP USPMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Provide improved client fault tolerance for SAP process chains.
B-06017	USAP USPMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Provide ability to release intercepted child jobs .

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
D-06188	USAP	UNIX, Windows	Prevent new instance of process chain from starting when the restart command includes an implicit (-R, Run) or explicit (-S, Start) start command. New in this release.

Universal Connector for PeopleSoft

Release 6.3.0.0 - April 28, 2017

Change ID	Component	Platform	Description
B-03241	UPPS	UNIX, Windows	Universal Connector for PeopleSoft that supports integration with the PeopleSoft Process Scheduler.

Universal Control

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
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B-05040	UCTL, UCTSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05827	UCTL, UCTSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05829	UCTL, UCTSRV, UCTMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05991	UCTL, UCTMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add <code>MIN_SSL_PROTOCOL</code> configuration option to manage TLS application protocol support. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-06620	UCTL, UCTCFG, UCTMCENG	z/OS	Issue error when <code>ssl_implementation</code> option is <code>SYSTEM</code> , and <code>min_ssl_protocol</code> is <code>TLS1_2</code> and/or an SSL cipher that requires TLS 1.2 support is specified in a control or data session cipher list. Note: Support for TLS 1.2 when IBM System SSL is used will be provided in an upcoming release of Universal Agent. Until then, TLS 1.2 support is available with OpenSSL.


Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
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B-05040	UCTL UCTSRV	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 protocol .
B-05827	UCTL UCTSRV	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
B-05829	UCTL UCTSRV UCTMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.
B-05991	UCTL UCTMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support.

Universal Data Mover

Release 6.3.0.5 - May 24, 2017

Change ID	Component	Platform	Description
D-07559	UDM, UDMSRV	All	Fix a problem that could cause Universal Data Mover to prematurely stop reading a UTF16-encoded file. <div style="background-color: #ffffcc; padding: 10px; border: 1px solid #ccc;"> <p> Note The problem was observed when trying to transfer a UTF-16BE file to a zOS dataset encoded with the IBM500 codepage. The cause of the problem was related to the size of the input file, and not to the UTF16 translation itself.</p> </div>

Release 6.3.0.4 - February 14, 2017

Change ID	Component	Platform	Description
D-07145	UDM UDMSRV	z/OS	UDM fails to create UTF16-encoded dataset on z/OS.
D-07295	UDM UDMSRV	All	Ensure that UDM does not write duplicate data to output file following successful NFT recovery. (See Universal Agent 6.3.0.4 Release Information for D-07295 .) (See Universal Agent 6.3.0.4 Release Information for D-07295 .)

Release 6.3.0.3 - September 12, 2016

Change ID	Component	Platform	Description
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B-04648	UDM UDMSRV UDMMCENG	All	Add milliseconds value to built-in variables for access, create, and modify file timestamps.
D-06379	UDMSRV	UNIX	Display correct version information for UDM Server .
D-06779	UDM UDMSRV	All	Make sure memory allocation errors that occur with large ACK_WINDOW values are reported prior to UDM failure.
D-06781	UDM UDMSRV	All	Make sure memory allocation errors that occur when a large ACK_WINDOW value is used when NFT is disabled are reported prior to UDM failure.
D-06803	UDM UDMSRV	All	Correct problem trimming spaces from very long records.
D-06883	UDM UDMSRV	z/OS	Fix incorrectly reported memory error when transferring datasets with RECFM=U and LRECL=0 .
D-06920	UDM UDMSRV	z/OS	Do not fail conversion of an FBA dataset that starts with an ASA form feed character.

Release 6.3.0.2 - July 14, 2016

Change ID	Component	Platform	Description
B-03155	UDM, UDMSRV	z/OS	Add support for ASA control character conversion/formatting.
B-05040	UDM, UDMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06253	All	UDM	Update UDM Manager DATA_COMPRESSION configuration option with new force parameter (that is, compress,force) to allow UDM Managers to override Server-configured compression.
B-05826	UDM, UDMSRV, UDMMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Protect against interception of sensitive information during user authentication . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05827	UDM, UDMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

B-05829	UDM, UDMSRV, UDMMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05991	UDM, UDMSRV, UDMMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-06011	UDM, UDMSRV, UDMMCENG	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add ability to authenticate Broker's certificate . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
D-01721	UDM, UDMSRV	All	Fix conversion error that may occur when creating a session using UTF-8 or UTF-16 codepages.
D-05880	UDM, UDMSRV	All	Set error return code when the length of a file's records exceeds a z/OS datasets's allocated record length .
D-06592	All	UDM	Add a message to display the value of the DATA_COMPRESSION configuration option following UDM Manager/Server session negotiation.
D-06620	UDM, UDMCFG, UDMMCENG	z/OS	Issue error when <code>ssl_implementation</code> option is SYSTEM, and <code>min_ssl_protocol</code> is TLS1_2 and/or an SSL cipher that requires TLS 1.2 support is specified in a control or data session cipher list. Note: Support for TLS 1.2 when IBM System SSL is used will be provided in an upcoming release of Universal Agent. Until then, TLS 1.2 support is available with OpenSSL.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05040	UDM UDMSRV	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 protocol.
B-05826	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Protect against interception of sensitive information during user authentication.

B-05827	UDM UDMSRV	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
B-05829	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.
B-05991	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add <code>MIN_SSL_PROTOCOL</code> configuration option to manage TLS application protocol support.
B-06011	UDM UDMSRV UDMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add ability to authenticate Broker's certificate .

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-05467	UDM, UDMSRV	All	Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop. Previously delivered as B-05476 in 6.2.0.2.
B-05635	UDM, UDMSRV	All	Add support for UTF-16LE and UTF-16BE codepage values in the open command. Provide a <code>bom={default yes no}</code> attribute to control how byte order marks (BOMs) are managed in files converted to UTF-16. New in this release.
D-03981	UDM, UDMSRV	All	Retry and gracefully handle failed message queue memory allocations. Previously delivered as D-04342 in 6.2.0.2.
D-05830	UDM, UDMSRV	All	Fix "Invalid command" following the last iteration of a forfiles loop when a command is stored in a script variable. Previously delivered as D-05868 in 6.2.0.1.
D-06126	UDM, UDMSRV	All	Make value of <code>_existdir</code> built-in variable accessible when the <code>existdir</code> command is called from a subroutine or an external script. Previously delivered as D-06124 in 6.2.0.2.
D-06237	UDM, UDMSRV, UDMMCENG	All	Make sure wildcard expansion correctly populates built-in <code>\$_file.wildcardn</code> variables when a complete path name is specified in a forfiles statement. Previously delivered as D-06241 in 6.2.0.3.
D-06322	UDM, UDMSRV	All	Prevent memory leak during forfiles processing. New in this release.

Universal Encrypt

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
B-05825	UENCRYPT	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Create new files using defaults of AES256 encryption and an expanded 32-bit key. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05825	UENCRYPT	AIX, Linux x64 (RPM package), Windows, z/OS	Create new files using defaults of AES256 encryption and an expanded 32-bit key.

Universal Enterprise Controller

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-05138	UECTLR	Windows, z/OS	Remove license requirement. Previously delivered as B-05480 in 6.2.0.2.
D-06262	UECTLR	Windows, z/OS	Universal Brokers cannot be put into managed mode if no license information is defined in the UEC configuration file (license requirements were dropped from UEC in 6.2.0.2). New in this release.

Universal Event Monitor

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
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B-05040	UEM, UEMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol . Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05827	UEM, UEMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05829	UEM, UEMMCENG, UEMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05991	UEM, UEMMCENG, UEMSRV	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add <code>MIN_SSL_PROTOCOL</code> configuration option to manage TLS application protocol support. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05040	UEM UEMSRV	AIX, Linux x64 (RPM package), Windows, z/OS AIX, Linux x64 (RPM package), Windows	Add support for TLS 1.2 protocol .
B-05827	UEM UEMSRV	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.

B-05829	UEM UEMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 ciphers , AES256-GCM-SHA384 and AES128-GCM-SHA256.
	UEMSRV	AIX, Linux x64 (RPM package), Windows	
B-05991	UEM UEMMCENG	AIX, Linux x64 (RPM package), Windows, z/OS	Add MIN_SSL_PROTOCOL configuration option to manage TLS application protocol support.
	UEMSRV	AIX, Linux x64 (RPM package), Windows	

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-05138	UEMSRV	UNIX, Windows	Remove license requirement. Previously delivered as B-05480 in 6.2.0.2.
D-06328	UEMSRV	UNIX, Windows	Events fail to become active following upgrade to 6.2.0.3 if no license info is available (license requirements were dropped from UEM in 6.2.0.2). New in this release.

Universal Message Service (OMS)

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
B-04195	OMSSRV	UNIX	Increase the maximum number of allowable TCP/IP connections .
B-05907	OMSSRV	UNIX, Windows	Add support for TLS 1.2 protocol.

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
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D-06201	OMS Server	UNIX, Windows	Prevent buildup of unused files during clean-up if an older file contains an unconsumed message. Previously delivered as D-06202 in 6.2.0.3.
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Universal Products Install Merge

Release 6.3.0.1 - April 28, 2017

Change ID	Component	Platform	Description
B-03241	UPIMERGE	UNIX, Windows	Add upps as an accepted value for the UPI Merge CONFIGURATION_TYPE configuration option.

Universal Query

Release 6.3.0.1 - July 14, 2016

Change ID	Component	Platform	Description
B-05040	UQUERY	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Add support for TLS 1.2 protocol. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.
B-05827	UQUERY	HP-UX Itanium, Linux x86, Linux x64 (Debian package), Solaris Intel, Solaris SPARC, zLinux	Turn off world readable flag for application configuration and log files. Note: This feature was initially delivered in the Universal Agent 6.3.0.1 maintenance release for AIX; Linux x64 (RPM package); and Windows and/or z/OS.

Release 6.3.0.1 - March 31, 2016

Change ID	Component	Platform	Description
B-05040	UQUERY	AIX, Linux x64 (RPM package), Windows, z/OS	Add support for TLS 1.2 protocol.

B-05827	UQUERY	AIX, Linux x64 (RPM package), Windows	Turn off world readable flag for application configuration and log files.
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Install

Release 6.3.0.2 - May 24, 2017

Change ID	Component	Platform	Description
D-07566	Install	Windows	Fix a problem that could cause a silent install to fail when <code>RUNBROKERASUSER=0</code> is specified. The install incorrectly tried to authenticate the default credentials for a Broker service account whose password had been changed. The authentication failure was ignored for interactive installs, but caused silent installs for fail.

Release 6.3.0.1 - September, 2016

Change ID	Component	Platform	Description
D-06369	Install	UNIX (for HP-UX)	Fix upgrade behavior in HP-UX package when Universal Agent command line utilities are installed.
D-06846	Install	Windows	Mask passwords displayed by Stonebranch trace functions in install log .

Release 6.3.0.0 - January 18, 2016

Change ID	Component	Platform	Description
B-05147	Install	UNIX	Provide a native 64-bit Debian package . New in this release.
B-05488	Install	Windows	Add updated Stonebranch logos to install dialogs . Previously delivered as B-05479 in 6.2.0.2.
B-05646	Install	z/OS	Update install job UNVIN07 to allocate a JSC dataset and set the <code>jsc_dataset</code> option the UAGCFG00 configuration member during a new install . New with this release.
B-05801	Install	z/OS	Add a new install job, UNVIN10, to allocate the JSC dataset during an upgrade from an earlier release. NOTE: Starting with this release, UAGSRV requires a JSC dataset even if executing outside of a Sysplex environment. New with this release.
D-05901	Install	Windows	Fix rendering of install dialogs when executed on a display running at a very high resolution. Previously delivered as D-05876 in 6.2.0.1.

D-06113	Install	Windows	Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later installations in order to satisfy installation prerequisite. Previously delivered as D-06112 in 6.2.0.2.
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