Opswise Universal Agent 5.2.0

Maintenance

Opswise Universal Agent 5.2.0 Maintenance

Introduction

Opswise Universal Agent 5.2.0 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 Opswise Universal Agent 5.2.0.

Product Packaging

Agent components are bundled together into product installation packages, referred to simply as packages in these pages. 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, Opswise Universal Agent 5.2.0 for z/OS and UNIX may be at maintenance level 5.2.0.1, but Opswise Universal Agent 5.2.0 for Windows may be at 5.2.0.0.

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 Opswise Universal Agent 5.2.0.1:

- 5 = Version 5
- 2 = Release 2
- 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 an Opswise Universal Agent 5.2.0.1 package, there could be a Universal Command 5.2.0.0 component:

- 5 = Version 5
- 2 = Release 2
- 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	The Opswise Universal Agent 5.2.0 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.
	Maintenance is packaged as a cumulative PTF file containing all available product PTFs for all products within the Workload Automation package.
Windows	All packages are created with the InstallShield Windows packaging tool. The package is installed with Microsoft's Windows Installer (file extension .msi).
	Product maintenance is packaged as an updated Windows Installer installation package. The installation process upgrades the current install to the latest product maintenance level.
UNIX	There are two installation methods supported on UNIX platforms, both of which are initiated from a Stonebranch script:
	- 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.
	Product maintenance is packaged as an updated installation package. The installation process upgrades the current installation to the latest product maintenance level.
	UNIX vendor system installation formats are as follows:
	- 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	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.
	Maintenance is packaged as a cumulative PTF file containing all available product PTFs.
HP NonStop	On the HP NonStop platform, Universal Command 2.1.1 product is packaged by itself. No other products are included in the distribution file.
	The package is installed with a Stonebranch OBEY file.
	Product maintenance is packaged as an updated installation package. The installation process upgrades the current install to the latest product maintenance level.

Package Maintenance Levels

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

- 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 Opswise Universal Agent components, see:

- Component Maintenance Levels

All Platforms Package Maintenance Levels

Overview

This page identifies changes made in all Opswise Universal Agent 5.2.0 maintenance releases, including the initial release, for all supported platforms.

Changes made to components for one platform or multiple platforms are identified.

For a list of changes made to optional Agent 5.2.0 packages, such as Universal Command Agent for SOA 5.2.0, 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 5.2.0.11 - April 27, 2015

Change ID	Platform	Component	PTF	Description
B-04946	UNIX and Windows All	UEMSRV UEM UEM (USS)	PS07001 PS08001	Keep the control session that exists between the UEM Manager and UEM Server open until the UEM Manager acknowledges receipt of the Server's ENDED message. ⚠ **Note** This behavior is only enabled for sessions between UEM Manager 5.2.0.1 or later and UEM Server 5.2.0.2 or later.

Change ID	Platform	Component	PTF	Description
B-04968	z/OS and UNIX	UDM UDM (USS) UDMSRV UDMCFG UDMCFGU UDSCFG UDSCFG00	PS04016 PS06009 PS04017 PS04018 PS06010 PS04019 PS04020	Issue error for rename command if target file already exists. ⚠ **Note** This change alters default behavior for files renamed via the **rename** script statement executed for UNIX and z/OS (HFS only) sessions. Prior to this change, existing files were silently overwritten by the rename statement. This differed from behavior for Windows sessions, which issued an error when an attempt was made to rename a file to one that already exists. The change was made to consistently provide an OS/file system-independent experience from within UDM. The **ALLOW_REPL_ON_RENAME** configuration option is being provided to restore previous behavior. It may be set from the UDM Manager command line or the UDM Manager or UDM Server configuration file.
D-05458	Windows and UNIX	UAGSRV		Allow **Create** File Monitor tasks to continue when specified directory path specified does not exist. ⚠ **Note** This change restores default behavior that existed prior to the initial 5.2.0.0 Universal Automation Center Agent release (that is, in 5.1.0.x and earlier). You may revert to the behavior introduced in 5.2.0.0 by setting the new FM_CREATE_FAIL_NODIR configuration option to **yes** in uags.conf.
D-05566	z/OS Windows and UNIX	UAGCMDZ UAG CLI Programs	PS00025	Prevent crash and other undefined behavior resulting from attempt to free memory that was previously freed.
D-05603	All	UAGSRV UBROKER UCMDSRV UCTLSRV UDMSRV ACLCFG00	PS00024 PS02009 PS03003 PS02010 PS04017 PS02011	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.
D-05622	z/OS	UAGSRV	PS00024	Correct time stamp agent logs are incorrect when standard time is in effect.

Release 5.2.0.10 - February 23, 2015

Change ID	Platform	Component	PTF	Description

D-05439	z/OS	UDM UDMSRV	PS04014 (UDM, MVS) PS04015 (UDMSRV) PS06008 (UDM, USS)	Make sure the dataset type is always set for PDS and PDSE transfers.
D-05505	z/OS	UAGUJI	PS00023	Un-catalog existing tape datasets that will be recreated on disk.
D-05523	UNIX	UAGSRV		Reduce message logging for file monitor activity to prevent unnecessary growth of agent.log.
D-05525	All	UAGSRV	PS00022	Fail FTP file monitors whose **Wait until Satisfied** condition is checked only if invalid credentials are specified. Allow the task to continue for all other errors until the number of maximum polls is exceeded. Prevent any rerun attempt from staying in "Queued" status.
D-05528	All	USAP	PS01002 (USAP) PS01003 (USPMCENG)	Do not treat warning issued when an invalid recipient is specified in a job definition as an error.

Release 5.2.0.9 - February 13, 2015

Change ID	Platform	Component	PTF (z/OS only)	Description
B-04744	z/OS	UAGU83	PS00021	Filter SMF type 15 records to those matching active file monitors before forwarding to UAGSRV.
D-05209	Windows	UAGSRV		Correct execution of ucmd from a Windows task.
D-05397	Windows	UCTLSRV		Enable support for name@domain user account syntax.
D-05398	Windows	UEMSRV		Enable support for name@domain user account syntax.
D-05437	All	UDM	PS04013 (MVS), PS06007 (USS)	Correctly parse scripts when a data command is nested within a forfiles statement.
D-05438	z/OS	UAGSRV	PS00020	Truncate job log files when size exceeds 5 MB.
D-05445	UNIX	UAGSRV		Fix memory leak during file monitor task execution.
D-05460	UNIX	UAGSRV		Detect files for recursive CREATE file monitors.
D-05473	All	UAGSRV	PS00020	Return correct size for files > 4 GB in FTP File Monitor tasks when checking for stability.
D-05479	All	UAGSRV	PS00020	Use UTF-8 encoding for messages exchanged between OMS and UAGSRV.
D-05482	All	UAGSRV	PS00020	Prevent memory leak when file monitor alerts are active.

Release 5.2.0.8 - December 17, 2014

Change ID	Platform	Component	PTF (z/OS only)	Description
B-04708	All	UBROKER	PS02005, PS02006, PS02008	Add COMPONENT_BACKLOG configuration option to specify the TCP/IP backlog queue size for the component interface.

B-04711	All	UBROKER	PS02005, PS02006, PS02008	Add RETRY_MAX_COMP configuration option to allow/prevent manager retries when maximum number of components are executing.
D-02897	UNIX	UAGSRV		Display the correct CPU information for Linux x64 Agents.
D-03887	Windows	UAGSRV		Honor file ownership when specified for DELETE file monitors.
D-05222	z/OS	UDM, UDMSRV	PS04011, PS04012, PS06006	Enable the Large Block Interface (LBI) to prevent S013-E1 when opening tape datasets created with a large block.
D-05287	z/OS	UAGSRV	PS00019	Activate z/OS file monitoring only when there are active file alerts.
D-05289	Windows	UAGSRV		Improve performance for file monitor tasks when watching files on network shares.
D-05300	All	UDM	PS04011, PS04012, PS06006	Prevent crash when conversion of numeric if statement parameter fails.
D-05304	Windows	UCMDSRV		Support authentication of domain accounts specified using 'user@domain' syntax.
D-05325	UNIX and Windows	UAGSRV		Collect CPU usage information for task instances.
D-05345	UNIX	UAGSRV		Trigger on all matching files when Trigger on Existence is specified for a CREATE file monitor.
D-05387	UNIX	UAGSRV		Fail EXIST file monitors when existing file does not contain specified scan text.
D-05394	z/OS	UBROKER	PS02005, PS02007	Issue correct error messages at startup if USS symbolic links cannot be created.
D-05404	z/OS	UAGSRV	PS0019	Fix value of restartable step names when JCL JOB RESTART parameter is specified.

Release 5.2.0.7 - October 17, 2014

Change ID	Platform	Component	PTF (z/OS only)	Description
D-04873	All	UAGSRV	PS00016	Infitran task script options replace UDM credential options.
D-04879	All	UDM	PS04008, PS06005	Fix UDM script execution performance problem introduced in 5.2.0.0.
D-04895	z/OS	UAGSRV	PS00016	z/OS task definition parameter value longer than 80 bytes results in UAG S0C4.
D-04909	z/OS	UAGSRV	PS00016	z/OS task definition with New Jobname value for a JCL JOB statement containing a job name longer than 8 characters causes UAG S0C6.
D-04926	z/OS	UAGUSI	PS00017	JCL IF statement condition .RUN evaluates to TRUE for UAG flushed step.
D-04887	UNIX	UAGSRV		File monitor fails to start with "no memory" error. A large number of file monitors caused pipe related errors and potential hangs.

D-04932	UNIX and Windows	UAGSRV		UAG ops_sshpwd hangs when SFTP client password prompt does not include a trailing space.
D-04938	All	UAGSRV	PS00016	UAG using OMS network provider can potentially not register with OMS server when UAG restarts after a crash.
D-04980	z/OS	UAGSRV	PS00016	Using z/OS protected user ID as a credential results in "bad argument" verification error.
D-05062	z/OS	UAGSRV	PS00016	Small memory leak when JES internal reader is closed.
D-05150	UNIX	UDM		UDM memory leak when sending files from UNIX.
D-05165	z/OS	UDM	PS04008, PS04009, PS04010, PS06005	UDM fails with S214-04 when copying to a new PDS/E on a specific volume.
D-05208	All	UDM	PS04008, PS06005	UDM Manager hangs after network error connecting to local Broker for recording UES data.
D-05214	UNIX and Windows	UAGSRV		File monitor does not detect change if file is moved or deleted/created between polls.
D-05216	z/OS	UAGSRV	PS00016	UAG JCL SET statements inserted in the middle of a multiline JOB statement.
D-05226	UNIX and Windows	OMSSRV		OMS Server message trace stops when printing zero length line.
D-05230	All	UCMD	PS03002, PS05002	UCM Manager ends with storage access violation (S0C4, SIGSEGV, etc.) after network error sending COMP_START message to Broker.
D-05231	z/OS	UAGU84	PS00018	Step return codes greater than 4095 result in invalid return code value.
D-05234	z/OS	UAGSRV	PS00016	SAPI resources not released after time out waiting for sysout. Add additional SAPI logging.

Release 5.2.0.6 - June 30, 2014

Change ID	Platform	Component	PTF (z/OS only)	Description
B-04576	z/OS	UAGSRV, UAGUJI	PS00013, PS00014, PS00015	Consider NOT CATLGD 2 errors as a job failure condition.
B-04578	z/OS	UAGSRV	PS00013, PS00014, PS00015	Add support for JCL override library and automatic cleanup.

Release 5.2.0.5 - June 3, 2014

Change ID	Platform	Component	PTF (z/OS only)	Description

B-03784	All	UBROKER UDM UDMSRV	PS02001, PS02002, PS02003, PS02004, PS04001, PS04002, PS04003, PS04004, PS04005, PS04006, PS04007, PS06001, PS06002, PS06003, PS06004	Add support for configurable TCP send and receive buffer sizes in support for RFC 1323 window scaling: 1. Universal Broker TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 2. UDM Manager TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 3. UDM Server TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options Additionally, add UDM Manager ACK_WINDOW configuration option to set the NFT acknowledgement window size for improved performance over some transmission links.
B-04256	UNIX	Install		Add support for a non-privileged install.
B-04298	Windows	Install		Increase length of Universal Broker service account password to 256 characters.
B-04533	UNIX	UAGSRV		Execute UNIX task in a non-interactive login shell when sudo is used or running unprivileged.
D-02372	All	UCMD UDM	PS03001, PS05001, PS04001, PS06001	The UDM Manager exec command does not pass digital certificate options to UCMD Manager.
D-04396	Windows	UAGSRV		Memory leak while running non-continuous file monitors.
D-04440	z/OS	UDM UDMSRV	PS04001, PS04002, PS06001	UDM ends with RC 0 attempting to copy non-existent HFS file.
D-04447	Windows	UAGSRV		File monitor using wild card pattern may get access denied error.
D-04469	UNIX	Install		Clarify -userdir command line option in `unvinst` command line help.
D-04470	UNIX	UAGSRV		qname file incorrectly sets file permission for other as read/write.
D-04472	UNIX	Install		When a user mode install is performed repeatedly, avoid duplicating updates to user profile.
D-04475	UNIX	UAGSRV		Large number of file monitors may result in process limits being exceeded.
D-04493	AIX	UAGSRV		AIX login environment not initialized correctly.
D-04505	Windows	Install		Universal Configuration Manager exception C0000374.
D-04577	AIX	UAGSRV		File monitor may fail with "glob, 36, identifier removed" error after a file is deleted.
D-04589	Windows and UNIX	OMSSRV		OMS Server does not recover from message database file I/O error.

Release 5.2.0.4 - May 2, 2014

Change ID	Platform	Component	PTF (z/OS only)	Description

D-04320	z/OS	UAGRERUN	PS00007	UAGRERUN (alias OPSRERUN) ends with invalid return code 173.
D-04322	z/OS	UAGSRV UAGCFG UAGMCENG

UAGCFG00 | PS00008 PS00009 PS00010 PS00011 | Add option JTSK_NUM to specify the number of job task worker threads. |
| D-04537 | z/OS | UAGCMDZ | PS00006 | UAGCMDZ (alias OPSCMDZ) fails to connect to Transport using SSL protocol. |
| D-04557 | z/OS | UAGSRV | PS00008 | S0C4 in cbJobOutput converting STDOUT/STDERR to UTF-8. |

Release 5.2.0.3 - March 20, 2014

Change ID	Platform	Component	PTF (z/OS only)	Description
D-04281	Windows	UAGSRV		File monitor fails with start failure indicating the file is being used by another process.
D-04283	Windows and UNIX	UAGSRV		Scan text does not scan past first 5 MB of file.
D-04348	Windows and UNIX	UAGSRV		FTP tasks potentially fail user authentication.

Release 5.2.0.2 - March 6, 2014

Change ID	Platform	Component	PTF	Description
B-04205	All	UAGCMDZ	PS00001	Add ops-change-credentials-password Command Line Interface command for changing the password for a specified Opswise Credentials resource.
B-04206	All	UAGCMDZ	PS00001	Add ops-change-user-password Command Line Interface command for changing the password for a specified Opswise User account.
B-04215	Windows	UAGSRV		Added new configuration control named Opswise Message Service Server to Universal Configuration Manager.
B-04219	All	UAGSRV UAGCFG UAGMCENG

UAGCFG00 | PS00002

PS00003

PS00004

PS00005 | UAG configuration option AGENT_IP was added to specify the IP address UAG server reports to the Controller. |
D-04220	z/OS	UAGSRV	PS00002	Controller z/OS task step return code value may display incorrect value.
D-04257	All	USAP	PS01001	Generated USAP job definitions may contain the wrong value for keyword PRUNX.
D-04271	UNIX and Windows	UAGSRV		File Monitor deletion may lead to deadlock.
D-04279	All	UAGSRV	PS00002	File Monitor of type **Exists** does not set some Opswise Controller built-in variables.

Release 5.2.0.1 - February 11, 2014

Change ID	Platform	Component	Description
D-04266	z/OS	z/OS Install	FMID TUAG520 is not selected by SMP/E APPLY when upgrading a CSI with TUAG510 install.

Release 5.2.0.0 - February 3, 2014

Change ID	Platform	Component	Description
B-02799	UNIX, except MP-RAS	Install	Add support for a user mode installation method, which allows installation of the product in user-selected directories, and supports multiple installs of differing versions or the same versions of the product.
B-02845	z/OS	UAGSRV	Add support for z/OS job step level condition checking and actions.
B-02987	z/OS	UBROKER UAGSRV	Add support for MODIFY REFRESH command to refresh Broker configuration data. Add support for LOGSWITCH MODIFY command to switch the active UAG agent log.
B-03134	z/OS	UAGSRV	Add support for SMF STATUS MODIFY command to display SMF exit status.
B-03307	z/OS	UAGSRV	Set IBM Language Environment (LE) options in the UAGSRV program.
B-03443	UNIX	UAGSRV	Add support for SFTP username and password pairs in addition to keys.
B-03463	UNIX	UAGSRV	Task cancel request will send SIGKILL to user task if no response to SIGINT.
B-03465	UNIX	UAGSRV	Remove unnecessary write permission on agent log files.
B-03497	z/OS	UAGSRV	Change SYSOUT processing to utilize a SYSOUT cache directory.
B-03565	z/OS	UBROKER STC	Add `TIME=NOLIMIT` to UBROKER JCL procedure to prevent SIGXCPU signal.
B-03649	All	UAGSRV UAG CLI programs	Add support for OMS network provider.
B-03704	Windows and UNIX	UAGSRV	Add support for **Create** and **Exists** File Monitor type.
B-03712	UNIX	Install	Add support for user verification in `unvinst` for group membership assigned by Windows Active Directory.
B-03882	Windows	Windows Install	Add Opswise Controller Command Line Interface (CLI) program as an optionally installed component.
B-03904	UNIX, except MP-RAS	Install	Add Opswise Controller Command Line Interface (CLI) program as an optionally installed component.
B-04014	Windows	Windows Install	Add support for Broker user domain accounts during installation.

zOS Package Maintenance Levels

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    - 5.2.0.5 - June 3, 2014
    - 5.2.0.4 - May 2, 2014
    - 5.2.0.2 - March 6, 2014
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Overview

This page identifies the package contents for all Opswise Universal Agent 5.2.0 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.

For a list of all changes in a release - all platforms, specific components - see Component Maintenance Levels.

Opswise Universal Agent 5.2.0 for z/OS Packages

The following table identifies the maintenance level of all components contained in each Opswise Universal Agent 5.2.0 for z/OS package.

Release	Release Date	SMP/E Install	Universal Broker	Universal Automation Center Agent	Opswise Message Service	Opswise 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
5.2.0.11	April 27, 2015	5.2.0.1	5.2.0.3	5.2.0.11		5.2.0.3	5.2.0.0	5.2.0.2	5.2.0.2	5.2.0.2	5.2.0.2	5.2.0.0	5.2.0.6	5.2.0.6
5.2.0.10	February 23, 2015	5.2.0.1	5.2.0.2	5.2.0.10		5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.5	5.2.0.5
5.2.0.9	February 13, 2015	5.2.0.1	5.2.0.2	5.2.0.9		5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.4	5.2.0.3
5.2.0.8	December 17, 2014	5.2.0.1	5.2.0.2	5.2.0.8		5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.3	5.2.0.3

5.2.0.7	October 17, 2014	5.2.0.1	5.2.0.1	5.2.0.7		5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.2
5.2.0.6	June 30, 2014	5.2.0.1	5.2.0.1	5.2.0.6		5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.1
5.2.0.5	June 3, 2014	5.2.0.1	5.2.0.1	5.2.0.5		5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.1
5.2.0.4	May 2, 2014	5.2.0.1	5.2.0.0	5.2.0.3		5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.2	March 6, 2014	5.2.0.1	5.2.0.0	5.2.0.1		5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.1	February 11, 2014	5.2.0.1	5.2.0.0	5.2.0.0		5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.0	February 3, 2014	5.2.0.0	5.2.0.0	5.2.0.0		5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0

> ⚠ **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.

5.2.0.11 - April 27, 2015

Change ID	Platform	Component	PTF	Description
B-04946	All	UEM UEM (USS)	PS07001 PS08001	Keep the control session that exists between the UEM Manager and UEM Server open until the UEM Manager acknowledges receipt of the Server's ENDED message. > ⚠ **Note** > This behavior is only enabled for sessions between UEM Manager 5.2.0.1 or later and UEM Server 5.2.0.2 or later.
B-04968	z/OS and UNIX	UDM UDM (USS) UDMSRV UDMCFG UDMCFGU UDSCFG UDSCFG00	PS04016 PS06009 PS04017 PS04018 PS06010 PS04019 PS04020	Issue error for rename command if target file already exists. > ⚠ **Note** > This change alters default behavior for files renamed via the **rename** script statement executed for Unix and zOS (HFS only) sessions. Prior to this change, existing files were silently overwritten by the rename statement. This differed from behavior for Windows sessions, which issued an error when an attempt was made to rename a file to one that already exists. > > The change was made to consistently provide an OS/file system-independent experience from within UDM. > > The **ALLOW_REPL_ON_RENAME** configuration option is being provided to restore previous behavior. It may be set from the UDM Manager command line or the UDM Manager or UDM Server configuration file.
D-05566	z/OS	UAGCMDZ	PS00025	Prevent crash and other undefined behavior resulting from attempt to free memory that was previously freed.

| D-05603 | All | UAGSRV UBROKER UCMDSRV UCTLSRV UDMSRV ACLCFG00 | PS00024 PS02009 PS03003 PS02010 PS04017 PS02011 | Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) lookup for host matching. |
| D-05622 | z/OS | UAGSRV | PS00024 | Correct time stamp agent logs are incorrect when standard time is in effect. |

5.2.0.10 - February 23, 2015

Change ID	Platform	Component	PTF	Description
D-05439	z/OS	UDM UDMSRV	PS04014 (UDM, MVS) PS04015 (UDMSRV) PS06008 (UDM, USS)	Make sure the dataset type is always set for PDS and PDSE transfers.
D-05505	z/OS	UAGUJI	PS00023	Un-catalog existing tape datasets that will be recreated on disk.
D-05525	All	UAGSRV	PS00022	Fail FTP file monitors whose **Wait until Satisfied** condition is checked only if invalid credentials are specified. Allow the task to continue for all other errors until the number of maximum polls is exceeded. Prevent any rerun attempt from staying in "Queued" status.
D-05528	All	USAP	PS01002 (USAP) PS01003 (USPMCENG)	Do not treat warning issued when an invalid recipient is specified in a job definition as an error.

5.2.0.9 - February 13, 2015

Change ID	Platform	Component	PTF	Description
B-04744	z/OS	UAGU83	PS00021	Filter SMF type 15 records to those matching active file monitors before forwarding to UAGSRV.
D-05437	All	UDM	PS04013 (MVS), PS06007 (USS)	Correctly parse scripts when a data command is nested within a forfiles statement.
D-05438	z/OS	UAGSRV	PS00020	Truncate job log files when size exceeds 5 MB.
D-05473	All	UAGSRV	PS00020	Return correct size for files > 4 GB in FTP File Monitor tasks when checking for stability.
D-05479	All	UAGSRV	PS00020	Use UTF-8 encoding for messages exchanged between OMS and UAGSRV.
D-05482	All	UAGSRV	PS00020	Prevent memory leak when file monitor alerts are active.

5.2.0.8 - December 17, 2014

Change ID	Platform	Component	PTF	Description
B-04708	All	UBROKER	PS02005, PS02006, PS02008	Add COMPONENT_BACKLOG configuration option to specify the TCP/IP backlog queue size for the component interface.
B-04711	All	UBROKER	PS02005, PS02006, PS02008	Add RETRY_MAX_COMP configuration option to allow/prevent manager retries when maximum number of components are executing.
D-05222	z/OS	UDM, UDMSRV	PS04011, PS04012, PS06006	Enable the Large Block Interface (LBI) to prevent S013-E1 when opening tape datasets created with a large block.
D-05287	z/OS	UAGSRV	PS00019	Activate z/OS file monitoring only when there are active file alerts.
D-05300	All	UDM	PS04011, PS04012, PS06006	Prevent crash when conversion of numeric if statement parameter fails.
D-05394	z/OS	UBROKER	PS02005, PS02007	Issue correct error messages at startup if USS symbolic links cannot be created.
D-05404	z/OS	UAGSRV	PS0019	Fix value of restartable step names when JCL JOB RESTART parameter is specified.

5.2.0.7 - October 17, 2014

Change ID	Platform	Component	PTF	Description
D-04873	All	UAGSRV	PS00016	Infitran task script options replace UDM credential options.
D-04879	All	UDM	PS04008, PS06005	Fix UDM script execution performance problem introduced in 5.2.0.0.
D-04895	z/OS	UAGSRV	PS00016	z/OS task definition parameter value longer than 80 bytes results in UAG S0C4.
D-04909	z/OS	UAGSRV	PS00016	z/OS task definition with New Jobname value for a JCL JOB statement containing a job name longer than 8 characters causes UAG S0C6.
D-04926	z/OS	UAGUSI	PS00017	JCL IF statement condition .RUN evaluates to TRUE for UAG flushed step.
D-04938	All	UAGSRV	PS00016	UAG using OMS network provider can potentially not register with OMS server when UAG restarts after a crash.
D-04980	z/OS	UAGSRV	PS00016	Using z/OS protected user ID as a credential results in "bad argument" verification error.
D-05062	z/OS	UAGSRV	PS00016	Small memory leak when JES internal reader is closed.
D-05165	z/OS	UDM	PS04008, PS04009, PS04010, PS06005	UDM fails with S214-04 when copying to a new PDS/E on a specific volume.
D-05208	All	UDM	PS04008, PS06005	UDM Manager hangs after network error connecting to local Broker for recording UES data.

D-05216	z/OS	UAGSRV	PS00016	UAG JCL SET statements inserted in the middle of a multiline JOB statement.
D-05230	All	UCMD	PS03002, PS05002	UCM Manager ends with storage access violation (S0C4, SIGSEGV, etc.) after network error sending COMP_START message to Broker.
D-05231	z/OS	UAGU84	PS00018	Step return codes greater than 4095 result in invalid return code value.
D-05234	z/OS	UAGSRV	PS00016	SAPI resources not released after time out waiting for sysout. Add additional SAPI logging.

5.2.0.6 - June 30, 2014

Change ID	Platform	Component	PTF	Description
B-04576	z/OS	UAGSRV, UAGUJI	PS00013, PS00014, PS00015	Consider NOT CATLGD 2 errors as a job failure condition.
B-04578	z/OS	UAGSRV	PS00013, PS00014, PS00015	Add support for JCL override library and automatic cleanup.

5.2.0.5 - June 3, 2014

Change ID	Platform	Component	PTF	Description
B-03784	All	UBROKER UDM UDMSRV	PS02001, PS02002, PS02003, PS02004, PS04001, PS04002, PS04003, PS04004, PS04005, PS04006, PS04007, PS06001, PS06002, PS06003, PS06004	Add support for configurable TCP send and receive buffer sizes in support for RFC 1323 window scaling: 1. Universal Broker TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 2. UDM Manager TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 3. UDM Server TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options Additionally, add UDM Manager ACK_WINDOW configuration option to set the NFT acknowledgement window size for improved performance over some transmission links.
D-02372	All	UCMD UDM	PS03001, PS05001, PS04001, PS06001	The UDM Manager exec command does not pass digital certificate options to UCMD Manager.

Change ID	Platform	Component	PTF	Description
D-04440	z/OS	UDM UDMSRV	PS04001, PS04002, PS06001	UDM ends with RC 0 attempting to copy non-existent HFS file.

5.2.0.4 - May 2, 2014

Change ID	Platform	Component	PTF	Description
D-04320	z/OS	UAGRERUN	PS00007	UAGRERUN (alias OPSRERUN) ends with invalid return code 173.
D-04322	z/OS	UAGSRV UAGCFG UAGMCENG UAGCFG00	PS00008 PS00009 PS00010 PS00011	Add option JTSK_NUM to specify the number of job task worker threads.
D-04537	z/OS	UAGCMDZ	PS00006	UAGCMDZ (alias OPSCMDZ) fails to connect to Transport using SSL protocol.
D-04557	z/OS	UAGSRV	PS00008	S0C4 in cbJobOutput converting STDOUT/STDERR to UTF-8.

5.2.0.2 - March 6, 2014

Change ID	Platform	Component	PTF	Description
B-04205	All	UAGCMDZ	PS00001	Add ops-change-credentials-password Command Line Interface command for changing the password for a specified Opswise Credentials resource.
B-04206	All	UAGCMDZ	PS00001	Add ops-change-user-password Command Line Interface command for changing the password for a specified Opswise User account.
B-04219	All	UAGSRV UAGCFG UAGMCENG UAGCFG00	PS00002 PS00003 PS00004 PS00005	UAG configuration option AGENT_IP was added to specify the IP address UAG server reports to the Controller.
D-04220	z/OS	UAGSRV	PS00002	Controller z/OS task step return code value may display incorrect value.
D-04257	All	USAP	PS01001	Generated USAP job definitions may contain the wrong value for keyword PRUNX.
D-04279	All	UAGSRV	PS00002	File Monitor of type **Exists** does not set some Opswise Controller built-in variables.

5.2.0.1 - February 11, 2014

Change ID	Platform	Component	Description

| D-04266 | z/OS | z/OS Install | FMID TUAG520 is not selected by SMP/E APPLY when upgrading a CSI with TUAG510 install. |

5.2.0.0 - February 3, 2014

Change ID	Platform	Component	Description
B-02845	z/OS	UAGSRV	Add support for z/OS job step level condition checking and actions.
B-02987	z/OS	UBROKER UAGSRV	Add support for MODIFY REFRESH command to refresh Broker configuration data. Add support for LOGSWITCH MODIFY command to switch the active UAG agent log.
B-03134	z/OS	UAGSRV	Add support for SMF STATUS MODIFY command to display SMF exit status.
B-03307	z/OS	UAGSRV	Set IBM Language Environment (LE) options in the UAGSRV program.
B-03497	z/OS	UAGSRV	Change SYSOUT processing to utilize a SYSOUT cache directory.
B-03565	z/OS	UBROKER STC	Add `TIME=NOLIMIT` to UBROKER JCL procedure to prevent SIGXCPU signal.
B-03649	All	UAGSRV UAG CLI programs	Add support for OMS network provider.

Windows Package Maintenance Levels

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Overview

This page identifies the package contents for all Opswise Universal Agent 5.2.0 for Windows maintenance releases, including the initial release, and the maintenance level of every component in each package.

This information is for all Opswise Universal Agent 5.2.0 for Windows packages:

- Opswise Universal Agent
- Universal Enterprise Controller
- UEC Client Application
- Opswise 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.

For a list of all changes in a release - all platforms, specific components - see Component Maintenance Levels.

Opswise Universal Agent 5.2.0 for Windows Packages

Release	Release Date	Install	Universal Broker	Universal Automation Center Agent	Opswise Message Service	Opswise Command Line Interface	Universal Certificate	Universal Command Manager	Universal Command Server	Universal Connector	Universal Control Manager	Universal Control Server	Universal Database Utilities	Universal Data Mover Manager
5.2.0.11	April 27, 2015	5.2.0.2	5.2.0.3	5.2.0.11	5.2.0.3	5.2.0.3	5.2.0.0	5.2.0.2	5.2.0.2	5.2.0.2	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.6

5.2.0.10	February 23, 2015	5.2.0.2	5.2.0.2	5.2.0.10	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.1	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.4
5.2.0.9	February 13, 2015	5.2.0.2	5.2.0.2	5.2.0.9	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.1	5.2.0.1	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.4
5.2.0.8	December 17, 2014	5.2.0.2	5.2.0.2	5.2.0.8	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.1	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.3
5.2.0.7	October 17, 2014	5.2.0.1	5.2.0.1	5.2.0.7	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.2
5.2.0.5	June 3, 2014	5.2.0.1	5.2.0.1	5.2.0.5	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1
5.2.0.3	March 20, 2014	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.2	March 6, 2014	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.0	February 3, 2014	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0

> ⚠ **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.

5.2.0.11 - April 27, 2015

Change ID	Platform	Component	Description
B-04946	All	UEM UEMSRV	Keep the control session that exists between the UEM Manager and UEM Server open until the UEM Manager acknowledges receipt of the Server's ENDED message. ⚠ **Note** This behavior is only enabled for sessions between UEM Manager 5.2.0.1 or later and UEM Server 5.2.0.2 or later.
D-05458	Windows and UNIX	UAGSRV	Allow **Create** File Monitor tasks to continue when specified directory path specified does not exist. ⚠ **Note** This change restores default behavior that existed prior to the initial 5.2.0.0 Universal Automation Center Agent release (that is, in 5.1.0.x and earlier). You may revert to the behavior introduced in 5.2.0.0 by setting the new FM_CREATE_FAIL_NODIR configuration option to **yes** in uags.conf.
D-05566	Windows and UNIX	UAG CLI Programs	Prevent crash and other undefined behavior resulting from attempt to free memory that was previously freed.

D-05603	All	UAGSRV UBROKER UCMDSRV UCTLSRV UDMSRV UEMSRV OMSSRV	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

5.2.0.10 - February 23, 2015

Change ID	Platform	Component	Description
D-05525	All	UAGSRV	Fail FTP file monitors whose **Wait until Satisfied** condition is checked only if invalid credentials are specified. Allow the task to continue for all other errors until the number of maximum polls is exceeded. Prevent any rerun attempt from staying in "Queued" status.
D-05528	All	USAP	Do not treat warning issued when an invalid recipient is specified in a job definition as an error.

5.2.0.9 - February 13, 2015

Change ID	Platform	Component	Description
D-05209	Windows	UAGSRV	Correct execution of ucmd from a Windows task.
D-05397	Windows	UCTLSRV	Enable support for name@domain user account syntax.
D-05398	Windows	UEMSRV	Enable support for name@domain user account syntax.
D-05437	All	UDM	Correctly parse scripts when a data command is nested within a forfiles statement.
D-05473	All	UAGSRV	Return correct size for files > 4 GB in FTP File Monitor tasks when checking for stability.
D-05479	All	UAGSRV	Use UTF-8 encoding for messages exchanged between OMS and UAGSRV.
D-05482	All	UAGSRV	Prevent memory leak when file monitor alerts are active.

5.2.0.8 - December 17, 2014

Change ID	Platform	Component	Description
B-04708	All	UBROKER	Add COMPONENT_BACKLOG configuration option to specify the TCP/IP backlog queue size for the component interface.
B-04711	All	UBROKER	Add RETRY_MAX_COMP configuration option to allow/prevent manager retries when maximum number of components are executing.
D-03887	Windows	UAGSRV	Honor file ownership when specified for DELETE file monitors.
D-05289	Windows	UAGSRV	Improve performance for file monitor tasks when watching files on network shares.
D-05300	All	UDM	Prevent crash when conversion of numeric if statement parameter fails.
D-05304	Windows	UCMDSRV	Support authentication of domain accounts specified using 'user@domain' syntax.

| D-05325 | UNIX and Windows | UAGSRV | Collect CPU usage information for task instances. |

5.2.0.7 - October 17, 2014

Change ID	Platform	Component	Description
D-04873	All	UAGSRV	Infitran task script options replace UDM credential options.
D-04879	All	UDM	Fix UDM script execution performance problem introduced in 5.2.0.0.
D-04932	UNIX and Windows	UAGSRV	UAG ops_sshpwd hangs when SFTP client password prompt does not include a trailing space.
D-04938	All	UAGSRV	UAG using OMS network provider can potentially not register with OMS server when UAG restarts after a crash.
D-05208	All	UDM	UDM Manager hangs after network error connecting to local Broker for recording UES data.
D-05214	UNIX and Windows	UAGSRV	File monitor does not detect change if file is moved or deleted/created between polls.
D-05226	UNIX and Windows	OMSSRV	OMS Server message trace stops when printing zero length line.
D-05230	All	UCMD	UCM Manager ends with storage access violation (S0C4, SIGSEGV, etc.) after network error sending COMP_START message to Broker.

5.2.0.5 - June 3, 2014

Change ID	Platform	Component	Description
B-03784	All	UBROKER UDM UDMSRV	Add support for configurable TCP send and receive buffer sizes in support for RFC 1323 window scaling: 1. Universal Broker TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 2. UDM Manager TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 3. UDM Server TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options Additionally, add UDM Manager ACK_WINDOW configuration option to set the NFT acknowledgement window size for improved performance over some transmission links.
B-04298	Windows	Install	Increase length of Universal Broker service account password to 256 characters.
D-02372	All	UCMD UDM	The UDM Manager exec command does not pass digital certificate options to UCMD Manager.
D-04396	Windows	UAGSRV	Memory leak while running non-continuous file monitors.
D-04447	Windows	UAGSRV	File monitor using wild card pattern may get access denied error.
D-04505	Windows	Install	Universal Configuration Manager exception C0000374.
D-04589	Windows and UNIX	OMSSRV	OMS Server does not recover from message database file I/O error.

5.2.0.3 - March 20, 2014

Change ID	Platform	Component	Description
D-04281	Windows	UAGSRV	File monitor fails with start failure indicating the file is being used by another process.
D-04283	Windows and UNIX	UAGSRV	Scan text does not scan past first 5 MB of file.
D-04348	Windows and UNIX	UAGSRV	FTP tasks potentially fail user authentication.

5.2.0.2 - March 6, 2014

Change ID	Platform	Component	Description
B-04205	All	UAG CLI programs	Add ops-change-credentials-password Command Line Interface command for changing the password for a specified Opswise Credentials resource.
B-04206	All	UAG CLI programs	Add ops-change-user-password Command Line Interface command for changing the password for a specified Opswise User account.
B-04215	Windows	UAGSRV	Added new configuration control named Opswise Message Service Server to Universal Configuration Manager.
B-04219	All	UAGSRV	UAG configuration option AGENT_IP was added to specify the IP address UAG server reports to the Controller.
D-04257	All	USAP	Generated USAP job definitions may contain the wrong value for keyword PRUNX.
D-04271	Windows and UNIX	UAGSRV	File Monitor deletion may lead to deadlock.
D-04279	All	UAGSRV	File Monitor of type **Exists** does not set some Opswise Controller built-in variables.

5.2.0.0 - February 3, 2014

Change ID	Platform	Component	Description
B-03649	All	UAGSRV UAG CLI programs	Add support for OMS network provider.
B-03704	Windows and UNIX	UAGSRV	Add support for **Create** and **Exists** File Monitor type.
B-03882	Windows	Windows Install	Add Opswise Controller Command Line Interface (CLI) program as an optionally installed component.
B-04014	Windows	Windows Install	Add support for Broker user domain accounts during installation.

Universal Enterprise Controller 5.2.0 for Windows Packages

Release	Release Date	Universal Enterprise Controller
5.2.0.0	February 3, 2014	5.2.0.0

Universal Enterprise Controller Client Applications 5.2.0 for Windows Packages

Release	Release Date	I-Activity Monitor	I-Administrator	I-Management Console
5.2.0.1	December 17, 2014	5.2.0.1	5.2.0.1	5.2.0.1
5.2.0.0	February 3, 2014	5.2.0.0	5.2.0.0	5.2.0.0

5.2.0.1 - December 17, 2014

Change ID	Platform	Component	Description
D-05213	Windows	ALL	Put start menu shortcuts in correct location for silent per-machine installs.

Opswise Universal Agent for SOA 5.2.0 for Windows Packages

Release	Release Date	Universal Command Agent for SOA
5.2.0.0	February 3, 2014	5.2.0.0

UNIX Package Maintenance Levels

Overview

This page identifies the package contents for all Opswise Universal Agent 5.2.0 for UNIX maintenance releases, including the initial release, and the maintenance level of every component in each package.

This information is for both Opswise Universal Agent 5.2.0 for UNIX packages:

- Opswise Universal Agent
- Opswise 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.

For a list of all changes in a release - all platforms, specific components - see Component Maintenance Levels.

Opswise Universal Agent 5.2.0 for UNIX Packages

This table identifies components generally available for UNIX. For a list of components currently contained in specific UNIX platforms, see Opswise Automation Center Platform Support.

Release	Release Date	Install	Universal Broker	Universal Automation Center Agent	Opswise Message Service	Opswise Command Line Interface	Universal Certificate	Universal Command Manager	Universal Command Server	Universal Connector	Universal Control Manager	Universal Control Server	Universal Database Utilities	Universal Data Mover Manager
5.2.0.11	April 27, 2015	5.2.0.1	5.2.0.3	5.2.0.11	5.2.0.3	5.2.0.3	5.2.0.0	5.2.0.2	5.2.0.2	5.2.0.2	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.6
5.2.0.10	February 23, 2015	5.2.0.1	5.2.0.2	5.2.0.10	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.4
5.2.0.9	February 13, 2015	5.2.0.1	5.2.0.2	5.2.0.9	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.4

5.2.0.8	December 17, 2014	5.2.0.1	5.2.0.2	5.2.0.8	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.3
5.2.0.7	October 17, 2014	5.2.0.1	5.2.0.1	5.2.0.7	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.2
5.2.0.5	June 3, 2014	5.2.0.1	5.2.0.1	5.2.0.5	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1
5.2.0.3	March 20, 2014	5.2.0.0	5.2.0.0	5.2.0.2	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.2	March 6, 2014	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.1	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0
5.2.0.0	February 3, 2014	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0	5.2.0.0

> ⚠️ **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.

5.2.0.11 - April 27, 2015

Change ID	Platform	Component	Description
B-04946	All	UEM UEMSRV	Keep the control session that exists between the UEM Manager and UEM Server open until the UEM Manager acknowledges receipt of the Server's ENDED message. ⚠️ **Note** This behavior is only enabled for sessions between UEM Manager 5.2.0.1 or later and UEM Server 5.2.0.2 or later.
B-04968	UDM UDMSRV	UNIX z/OS	Issue error for rename command if target file already exists. ⚠️ **Note** This change alters default behavior for files renamed via the **rename** script statement executed for UNIX and z/OS (HFS only) sessions. Prior to this change, existing files were silently overwritten by the rename statement. This differed from behavior for Windows sessions, which issued an error when an attempt was made to rename a file to one that already exists. The change was made to consistently provide an OS/file system-independent experience from within UDM. The **ALLOW_REPL_ON_RENAME** configuration option is being provided to restore previous behavior. It may be set from the UDM Manager command line or the UDM Manager or UDM Server configuration file.

D-05458	UNIX and Windows	UAGSRV	Allow **Create** File Monitor tasks to continue when specified directory path specified does not exist. ⚠️ **Note** This change restores default behavior that existed prior to the initial 5.2.0.0 Universal Automation Center Agent release (i.e., in 5.1.0.x and earlier). You may revert to the behavior introduced in 5.2.0.0 by setting the new FM_CREATE_FAIL_NODIR configuration option to **yes** in uags.conf.
D-05566	Windows and UNIX	UAG CLI Programs	Prevent crash and other undefined behavior resulting from attempt to free memory that was previously freed.
D-05603	All	UAGSRV UBROKER UCMDSRV UCTLSRV UDMSRV UEMSRV OMSSRV	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

5.2.0.10 - February 23, 2015

Change ID	Platform	Component	Description
D-05523	UNIX	UAGSRV	Reduce message logging for file monitor activity to prevent unnecessary growth of agent.log.
D-05525	All	UAGSRV	Fail FTP file monitors whose **Wait until Satisfied** condition is checked only if invalid credentials are specified. Allow the task to continue for all other errors until the number of maximum polls is exceeded. Prevent any rerun attempt from staying in "Queued" status.
D-05528	All	USAP	Do not treat warning issued when an invalid recipient is specified in a job definition as an error.

5.2.0.9 - February 13, 2015

Change ID	Platform	Component	Description
D-05437	All	UDM	Correctly parse scripts when a data command is nested within a forfiles statement.
D-05445	UNIX	UAGSRV	Fix memory leak during file monitor task execution.
D-05460	UNIX	UAGSRV	Detect files for recursive CREATE file monitors.
D-05473	All	UAGSRV	Return correct size for files > 4 GB in FTP File Monitor tasks when checking for stability.
D-05479	All	UAGSRV	Use UTF-8 encoding for messages exchanged between OMS and UAGSRV.
D-05482	All	UAGSRV	Prevent memory leak when file monitor alerts are active.

5.2.0.8 - December 17, 2014

Change ID	Platform	Component	Description
B-04708	All	UBROKER	Add COMPONENT_BACKLOG configuration option to specify the TCP/IP backlog queue size for the component interface.
B-04711	All	UBROKER	Add RETRY_MAX_COMP configuration option to allow/prevent manager retries when maximum number of components are executing.
D-02897	UNIX	UAGSRV	Display the correct CPU information for Linux x64 Agents.
D-05300	All	UDM	Prevent crash when conversion of numeric if statement parameter fails.
D-05325	UNIX and Windows	UAGSRV	Collect CPU usage information for task instances.
D-05345	UNIX	UAGSRV	Trigger on all matching files when Trigger on Existence is specified for a CREATE file monitor.
D-05387	UNIX	UAGSRV	Fail EXIST file monitors when existing file does not contain specified scan text.

5.2.0.7 - October 17, 2014

Change ID	Platform	Component	Description
D-04873	All	UAGSRV	Infitran task script options replace UDM credential options.
D-04879	All	UDM	Fix UDM script execution performance problem introduced in 5.2.0.0.
D-04887	UNIX	UAGSRV	File monitor fails to start with "no memory" error. A large number of file monitors caused pipe related errors and potential hangs.
D-04932	UNIX and Windows	UAGSRV	UAG ops_sshpwd hangs when SFTP client password prompt does not include a trailing space.
D-04938	All	UAGSRV	UAG using OMS network provider can potentially not register with OMS server when UAG restarts after a crash.
D-05150	UNIX	UDM	UDM memory leak when sending files from UNIX.
D-05208	All	UDM	UDM Manager hangs after network error connecting to local Broker for recording UES data.
D-05214	UNIX and Windows	UAGSRV	File monitor does not detect change if file is moved or deleted/created between polls.
D-05226	UNIX and Windows	OMSSRV	OMS Server message trace stops when printing zero length line.
D-05230	All	UCMD	UCM Manager ends with storage access violation (S0C4, SIGSEGV, etc.) after network error sending COMP_START message to Broker.

5.2.0.5 - June 3, 2014

Change ID	Platform	Component	Description

B-03784	All	UBROKER UDM UDMSRV	Add support for configurable TCP send and receive buffer sizes in support for RFC 1323 window scaling:
			1. Universal Broker TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 2. UDM Manager TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options 3. UDM Server TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options Additionally, add UDM Manager ACK_WINDOW configuration option to set the NFT acknowledgement window size for improved performance over some transmission links.
B-04256	UNIX	Install	Add support for a non-privileged install.
B-04533	UNIX	UAGSRV	Execute UNIX task in a non-interactive login shell when sudo is used or running unprivileged.
D-02372	All	UCMD UDM	The UDM Manager exec command does not pass digital certificate options to UCMD Manager.
D-04469	UNIX	Install	Clarify -userdir command line option in `unvinst` command line help.
D-04470	UNIX	UAGSRV	qname file incorrectly sets file permission for other as read/write.
D-04472	UNIX	Install	When a user mode install is performed repeatedly, avoid duplicating updates to user profile.
D-04475	UNIX	UAGSRV	Large number of file monitors may result in process limits being exceeded.
D-04493	AIX	UAGSRV	AIX login environment not initialized correctly.
D-04577	AIX	UAGSRV	File monitor may fail with "glob, 36, identifier removed" error after a file is deleted.
D-04589	Windows and UNIX	OMSSRV	OMS Server does not recover from message database file I/O error.

5.2.0.3 - March 20, 2014

Change ID	Platform	Component	Description
D-04283	UNIX and Windows	UAGSRV	Scan text does not scan past first 5 MB of file.
D-04348	UNIX and Windows	UAGSRV	FTP tasks potentially fail user authentication.

5.2.0.2 - March 6, 2014

Change ID	Platform	Component	Description
B-04205	All	UAG CLI programs	Add ops-change-credentials-password Command Line Interface command for changing the password for a specified Opswise Credentials resource.
B-04206	All	UAG CLI programs	Add ops-change-user-password Command Line Interface command for changing the password for a specified Opswise User account.
B-04219	All	UAGSRV	UAG configuration option AGENT_IP was added to specify the IP address UAG server reports to the Controller.
D-04257	All	USAP	Generated USAP job definitions may contain the wrong value for keyword PRUNX.

| D-04271 | UNIX and Windows | UAGSRV | File Monitor deletion may lead to deadlock. |
| D-04279 | All | UAGSRV | File Monitor of type **Exists** does not set some Opswise Controller built-in variables. |

5.2.0.0 - February 3, 2014

Change ID	Platform	Component	Description
B-02799	UNIX, except MP-RAS	Install	Add support for a user mode installation method, which allows installation of the product in user-selected directories, and supports multiple installs of differing versions or the same versions of the product.
B-03443	UNIX	UAGSRV	Add support for SFTP username and password pairs in addition to keys.
B-03463	UNIX	UAGSRV	Task cancel request will send SIGKILL to user task if no response to SIGINT.
B-03465	UNIX	UAGSRV	Remove unnecessary write permission on agent log files.
B-03649	All	UAGSRV UAG CLI programs	Add support for OMS network provider.
B-03704	UNIX and Windows	UAGSRV	Add support for **Create** and **Exists** File Monitor type.
B-03712	UNIX	Install	Add support for user verification in `unvinst` for group membership assigned by Windows Active Directory.
B-03904	UNIX, except MP-RAS	Install	Add Opswise Controller Command Line Interface (CLI) program as an optionally installed component.

Opswise Universal Agent for SOA 5.2.0 for UNIX Packages

Release	Release Date	Universal Command Agent for SOA
5.2.0.0	February 3, 2014	5.2.0.0

IBM i Package Maintenance Levels

🚫 **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

- Overview
- Universal Command 2.1.1 for HP NonStop Packages
  - 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
2.1.1.4	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

2.1.1.4 - 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 be specifying the time zone for the program. The TZ environment variable has been added to the UBROKERD startup script.

Component Maintenance Levels

- Introduction
- Opswise Message Service
- Universal Automation Center Agent
- Universal Broker
- Universal Command
- Universal Connector
- Universal Control
- Universal Data Mover
- Universal Enterprise Controller Client Applications
- Universal Event Monitor
- Package Installation

Introduction

This page summarizes the changes introduced in each component maintenance release for Opswise Universal Agent 5.2.0.

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

Opswise Message Service

Release 5.2.0.3 - April 27, 2015

Change ID	Component	Platform	Description
D-05603	OMSSRV	All	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

Release 5.2.0.2 - October 17, 2014

Change ID	Component	Platform	Description
D-05226	OMSSRV	UNIX and Windows	OMS Server message trace stops when printing zero length line.

Release 5.2.0.1 - June 3, 2014

Change ID	Component	Platform	Description

| D-04589 | OMSSRV | UNIX and Windows | OMS Server does not recover from message database file I/O error. |

Universal Automation Center Agent

Release 5.2.0.11 - April 27, 2015

Change ID	Component	Platform	Description
D-05458	UAGSRV	UNIX and Windows	Allow **Create** File Monitor tasks to continue when specified directory path specified does not exist. NOTE: This change restores default behavior that existed prior to the initial 5.2.0.0 Universal Automation Center Agent release (that is, in 5.1.0.x and earlier). You may revert to the behavior introduced in 5.2.0.0 by setting the new FM_CREATE_FAIL_NODIR configuration option to **yes** in uags.conf.
D-05566	UAGCMDZ UAG CLI Programs	z/OS UNIX and Windows	Prevent crash and other undefined behavior resulting from attempt to free memory that was previously freed.
D-05603	UAGSRV	All	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.
D-05622	UAGSRV	z/OS	Correct time stamp agent logs are incorrect when standard time is in effect.

Release 5.2.0.10 - February 23, 2015

Change ID	Component	Platform	Description
D-05505	UAGUJI	z/OS	Un-catalog existing tape datasets that will be recreated on disk.
D-05523	UAGSRV	UNIX	Reduce message logging for file monitor activity to prevent unnecessary growth of agent.log.
D-05525	UAGSRV	All	Fail FTP file monitors whose **Wait until Satisfied** condition is checked only if invalid credentials are specified. Allow the task to continue for all other errors until the number of maximum polls is exceeded. Prevent any rerun attempt from staying in "Queued" status.

Release 5.2.0.9 - February 13, 2015

Change ID	Component	Platform	Description
B-04744	UAGU83	z/OS	Filter SMF type 15 records to those matching active file monitors before forwarding to UAGSRV.
D-05209	UAGSRV	Windows	Correct execution of ucmd from a Windows task.
D-05438	UAGSRV	z/OS	Truncate job log files when size exceeds 5 MB.
D-05445	UAGSRV	UNIX	Fix memory leak during file monitor task execution.
D-05460	UAGSRV	UNIX	Detect files for recursive CREATE file monitors.
D-05473	UAGSRV	All	Return correct size for files > 4 GB in FTP File Monitor tasks when checking for stability.

| D-05479 | UAGSRV | All | Use UTF-8 encoding for messages exchanged between OMS and UAGSRV. |
| D-05482 | UAGSRV | All | Prevent memory leak when file monitor alerts are active. |

Release 5.2.0.8 - December 17, 2014

Change ID	Component	Platform	Description
D-02897	UAGSRV	UNIX	Display the correct CPU information for Linux x64 Agents.
D-03887	UAGSRV	Windows	Honor file ownership when specified for DELETE file monitors.
D-05287	UAGSRV	z/OS	Activate zOS file monitoring only when there are active file alerts.
D-05289	UAGSRV	Windows	Improve performance for file monitor tasks when watching files on network shares.
D-05325	UAGSRV	UNIX and Windows	Collect CPU usage information for task instances.
D-05345	UAGSRV	UNIX	Trigger on all matching files when Trigger on Existence is specified for a CREATE file monitor.
D-05387	UAGSRV	UNIX	Fail EXIST file monitors when existing file does not contain specified scan text.
D-05404	UAGSRV	z/OS	Fix value of restartable step names when JCL JOB RESTART parameter is specified.

Release 5.2.0.7 - October 17, 2014

Change ID	Component	Platform	Description
D-04873	UAGSRV	All	Infitran task script options replace UDM credential options.
D-04887	UAGSRV	UNIX	File monitor fails to start with "no memory" error. A large number of file monitors caused pipe related errors and potential hangs.
D-04895	UAGSRV	z/OS	z/OS task definition parameter value longer than 80 bytes results in UAG S0C4.
D-04909	UAGSRV	z/OS	z/OS task definition with New Jobname value for a JCL JOB statement containing a job name longer than 8 characters causes UAG S0C6.
D-04926	UAGUSI	z/OS	JCL IF statement condition .RUN evaluates to TRUE for UAG flushed step.
D-04932	UAGSRV	UNIX and Windows	UAG ops_sshpwd hangs when SFTP client password prompt does not include a trailing space.
D-04938	UAGSRV	All	UAG using OMS network provider can potentially not register with OMS server when UAG restarts after a crash.
D-04980	UAGSRV	z/OS	Using z/OS protected user ID as a credential results in "bad argument" verification error.
D-05062	UAGSRV	z/OS	Small memory leak when JES internal reader is closed.
D-05214	UAGSRV	UNIX and Windows	File monitor does not detect change if file is moved or deleted/created between polls.
D-05216	UAGSRV	z/OS	UAG JCL SET statements inserted in the middle of a multiline JOB statement.
D-05231	UAGU84	z/OS	Step return codes greater than 4095 result in invalid return code value.
D-05234	UAGSRV	z/OS	SAPI resources not released after time out waiting for sysout. Add additional SAPI logging.

Release 5.2.0.6 - June 30, 2014

Change ID	Component	Platform	Description
B-04576	UAGSRV, UAGUJI	z/OS	Consider NOT CATLGD 2 errors as a job failure condition.
B-04578	UAGSRV	z/OS	Add support for JCL override library and automatic cleanup.

Release 5.2.0.5 - June 3, 2014

Change ID	Component	Platform	Description
B-04533	UAGSRV	UNIX	Execute UNIX task in a non-interactive login shell when sudo is used or running unprivileged.
D-04396	UAGSRV	Windows	Memory leak while running non-continuous file monitors.
D-04447	UAGSRV	Windows	File monitor using wild card pattern may get access denied error.
D-04470	UAGSRV	UNIX	qname file incorrectly sets file permission for other as read/write.
D-04475	UAGSRV	UNIX	Large number of file monitors may result in process limits being exceeded.
D-04493	UAGSRV	AIX	AIX login environment not initialized correctly.
D-04577	UAGSRV	AIX	File monitor may fail with "glob, 36, identifier removed" error after a file is deleted.

Release 5.2.0.3 - May 2, 2014

Change ID	Component	Platform	Description
D-04320	UAGRERUN	z/OS	UAGRERUN (alias OPSRERUN) ends with invalid return code 173.
D-04322	UAGSRV	z/OS	Add option JTSK_NUM to specify the number of job task worker threads.
D-04537	UAGCMDZ	z/OS	UAGCMDZ (alias OPSCMDZ) fails to connect to Transport using SSL protocol.
D-04557	UAGSRV	z/OS	S0C4 in cbJobOutput converting STDOUT/STDERR to UTF-8.

Release 5.2.0.2 - March 20, 2014

Change ID	Component	Platform	Description
D-04281	UAGSRV	Windows	File monitor fails with start failure indicating the file is being used by another process.
D-04283	UAGSRV	UNIX and Windows	Scan text does not scan past first 5 MB of file.
D-04348	UAGSRV	UNIX and Windows	FTP tasks potentially fail user authentication.

Release 5.2.0.1 - March 6, 2014

Change ID	Component	Platform	Description
B-04205	CLI programs	All	Add ops-change-credentials-password Command Line Interface command for changing the password for a specified Opswise Credentials resource.
B-04206	CLI programs	All	Add ops-change-user-password Command Line Interface command for changing the password for a specified Opswise User account.
B-04215	UAGSRV	Windows	Added new configuration control named Opswise Message Service Server to Universal Configuration Manager.
B-04219	UAGSRV	All	UAG configuration option AGENT_IP was added to specify the IP address UAG server reports to the Controller.
D-04220	UAGSRV	z/OS	Controller z/OS task step return code value may display incorrect value.
D-04271	UAGSRV	UNIX and Windows	File Monitor deletion may lead to deadlock.
D-04279	UAGSRV	All	File Monitor of type **Exists** does not set some Opswise Controller built-in variables.

Release 5.2.0.0 - February 3, 2014

Change ID	Component	Platform	Description
B-02845	UAGSRV	z/OS	Add support for z/OS job step level condition checking and actions.
B-02987	UAGSRV	z/OS	Add support for LOGSWITCH MODIFY command to switch the active UAG agent log.
B-03134	UAGSRV	z/OS	Add support for SMF STATUS MODIFY command to display SMF exit status.
B-03307	UAGSRV	z/OS	Set IBM Language Environment (LE) options in the UAGSRV program.
B-03443	UAGSRV	UNIX	Add support for SFTP username and password pairs in addition to keys.
B-03463	UAGSRV	UNIX	Task cancel request will send SIGKILL to user task if no response to SIGINT.
B-03465	UAGSRV	UNIX	Remove unnecessary write permission on agent log files.
B-03497	UAGSRV	z/OS	Change SYSOUT processing to utilize a SYSOUT cache directory.
B-03649	UAGSRV, CLI programs	All	Add support for OMS network provider.
B-03704	UAGSRV	UNIX and Windows	Add support for **Create** and **Exists** File Monitor type.

Universal Broker

Release 5.2.0.3 - April 27, 2015

Change ID	Component	Platform	Description
D-05603	UBROKER	All	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

Release 5.2.0.2 - December 17, 2014

Change ID	Component	Platform	Description
B-04708	UBROKER	All	Add COMPONENT_BACKLOG configuration option to specify the TCP/IP backlog queue size for the component interface.
B-04711	UBROKER	All	Add RETRY_MAX_COMP configuration option to allow/prevent manager retries when maximum number of components are executing.
D-05394	UBROKER	z/OS	Issue correct error messages at start-up if USS symbolic links cannot be created.

Release 5.2.0.1 - June 3, 2014

Change ID	Component	Platform	Description
B-03784	UBROKER	All	Add support for configurable TCP send and receive buffer sizes, TCP_SEND_BUFFER and TCP_RECV_BUFFER configuration options, in support for RFC 1323 window scaling.

Release 5.2.0.0 - February 3, 2014

Change ID	Component	Platform	Description
B-02987	UBROKER	z/OS	Add support for MODIFY REFRESH command to refresh Broker configuration data.
B-03565	UBROKER STC	z/OS	Add TIME=NOLIMIT to UBROKER JCL procedure to prevent SIGXCPU signal.

Universal Command

Server Release 5.2.0.2 - April 27, 2015

Change ID	Component	Platform	Description
D-05603	UCMDSRV	All	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

Server Release 5.2.0.1 - December 17, 2014

Change ID	Component	Platform	Description
D-05304	UCMDSRV	Windows	Support authentication of domain accounts specified using 'user@domain' syntax.

Manager Release 5.2.0.2 - October 17, 2014

Change ID	Component	Platform	Description
D-05230	UCMD	All	UCM Manager ends with storage access violation (S0C4, SIGSEGV, etc.) after network error sending COMP_START message to Broker.

Manager Release 5.2.0.1 - June 3, 2014

Change ID	Component	Platform	Description
D-02372	UCMD	All	The UDM Manager exec command does not pass digital certificate options to UCMD Manager.

Universal Connector

Release 5.2.0.2 - February 23, 2015

Change ID	Component	Platform	Description
D-05528	USAP	All	Do not treat warning issued when an invalid recipient is specified in a job definition as an error.

Release 5.2.0.1 - March 6, 2014

Change ID	Component	Platform	Description
D-04257	USAP	All	Generated USAP job definitions may contain the wrong value for keyword PRUNX.

Universal Control

Release 5.2.0.2 - April 27, 2015

Change ID	Component	Platform	Description
D-05603	UCTLSRV	All	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

Release 5.2.0.1 - February 13, 2015

Change ID	Component	Platform	Description
D-05397	UCTLSRV	Windows	Enable support for name@domain user account syntax.

Universal Data Mover

Release 5.2.0.6 - April 27, 2015

Change ID	Component	Platform	Description

| B-04968 | UDM UDMSRV | UNIX z/OS | Issue error for rename command if target file already exists.

 ⚠️ **Note**
 This change alters default behavior for files renamed via the **rename** script statement executed for Unix and zOS (HFS only) sessions. Prior to this change, existing files were silently overwritten by the rename statement. This differed from behavior for Windows sessions, which issued an error when an attempt was made to rename a file to one that already exists.

 The change was made to consistently provide an OS/file system-independent experience from within UDM.

 The **ALLOW_REPL_ON_RENAME** configuration option is being provided to restore previous behavior. It may be set from the UDM Manager command line or the UDM Manager or UDM Server configuration file. |
| D-05603 | UDMSRV | All | Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching. |

Release 5.2.0.5 - February 23, 2015

Change ID	Component	Platform	Description
D-05439	UDM UDMSRV	z/OS	Make sure the dataset type is always set for PDS and PDSE transfers.

Release 5.2.0.4 - February 13, 2015

Change ID	Component	Platform	Description
D-05437	UDM	All	Correctly parse scripts when a data command is nested within a forfiles statement.

Release 5.2.0.3 - December 17, 2014

Change ID	Component	Platform	Description
D-05222	UDM, UDMSRV	z/OS	Enable the Large Block Interface (LBI) to prevent S013-E1 when opening tape datasets created with a large block.
D-05300	UAGSRV	All	Prevent crash when conversion of numeric if statement parameter fails.

Release 5.2.0.2 - October 17, 2014

Change ID	Component	Platform	Description
D-04879	UDM	All	Fix UDM script execution performance problem introduced in 5.2.0.0.
D-05150	UDM	UNIX	UDM memory leak when sending files from UNIX.
D-05165	UDM	z/OS	UDM fails with S214-04 when copying to a new PDS/E on a specific volume.

| D-05208 | UDM | All | UDM Manager hangs after network error connecting to local Broker for recording UES data. |

Release 5.2.0.1 - June 3, 2014

Change ID	Component	Platform	Description
B-03784	UDM, UDMSRV	All	Add support for configurable TCP send and receive buffer sizes, UDM Manager configuration options TCP_SEND_BUFFER and TCP_RECV_BUFFER and UDM Server configuration options TCP_SEND_BUFFER and TCP_RECV_BUFFER, in support for RFC 1323 window scaling. Additionally, add UDM Manager configuration option ACK_WINDOW to set the NFT acknowledgement window size for improved performance over some transmission links.
D-02372	UDM	All	The UDM Manager exec command does not pass digital certificate options to UCMD Manager.
D-04440	UDM, UDMSRV	z/OS	UDM ends with RC 0 attempting to copy non-existent HFS file.

Universal Enterprise Controller Client Applications

Release 5.2.0.1 - December 17, 2014

Change ID	Component	Platform	Description
D-05213	All	Windows	Put start menu shortcuts in correct location for silent per-machine installs.

Universal Event Monitor

Release 5.2.0.2 - April 27, 2015

Change ID	Component	Platform	Description
B-04946	UEM UEMSRV	All UNIX and Windows	Keep the control session that exists between the UEM Manager and UEM Server open until the UEM Manager acknowledges receipt of the Server's ENDED message. ⚠️ **Note** This behavior is only enabled for sessions between UEM Manager 5.2.0.1 or later and UEM Server 5.2.0.2 or later.
D-05603	UEMSRV	UNIX and Windows	Add support for @ symbol prefix to host names in relevant UACL entries to request alias (CNAME) look-up for host matching.

Release 5.2.0.1 - February 13, 2015

Change ID	Component	Platform	Description

D-05398	UEMSRV	Windows	Enable support for name@domain user account syntax.

Package Installation

> ⚠️ **Note**
> **Install** changes refer to package installation changes. The list of changes include changes to the programs, scripts, or supporting files used to install the product. There are no changes to the actual product components.

Release 5.2.0.5 - June 3, 2014

Change ID	Component	Platform	Description
B-04298	Install	Windows	Increase length of Universal Broker service account password to 256 characters.
D-04505	Install	Windows	Universal Configuration Manager exception C0000374.
B-04256	Install	UNIX	Add support for a non-privileged install.
D-04469	Install	UNIX	Clarify -userdir command line option in unvinst command line help.
D-04472	Install	UNIX	When a user mode install is performed repeatedly, avoid duplicating updates to user profile.

Release 5.2.0.1 - February 11, 2014

Change ID	Component	Platform	Description
D-04266	Install	z/OS	FMID TUAG520 is not selected by SMP/E APPLY when upgrading a CSI with TUAG510 install.

Release 5.2.0.0 - February 3, 2014

Change ID	Component	Platform	Description
B-03882	Install	Windows	Add Opswise Controller Command Line Interface (CLI) program as an optionally installed component.
B-04014	Install	Windows	Add support for Broker user domain accounts during installation.
B-02799	Install	UNIX, except MP-RAS	Add support for a user mode installation method, which allows installation of the product in user-selected directories, and supports multiple installs of differing versions or the same versions of the product.
B-03712	Install	UNIX	Add support for user verification in unvinst for group membership assigned by Windows Active Directory.
B-03904	Install	UNIX, except MP-RAS	Add Opswise Controller Command Line Interface (CLI) program as an optionally installed component.