



stonebranch
WORKLOAD AUTOMATION SIMPLIFIED.

Universal Agent 6.2.x

Maintenance

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Universal Agent 6.2.x Maintenance

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Introduction

Universal Agent 6.2.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 6.2.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 6.2.0 for z/OS and UNIX may be at maintenance level 6.2.0.1, but Universal Agent 6.2.0 for Windows may be at 6.2.0.0.

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 Universal Agent 6.2.0.1:

- 6 = Version 6
- 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 Universal Agent 6.2.0.1 package, there could be a Universal Command 6.2.0.0 component:

- 6 = Version 6
- 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	<p>The Universal Agent 6.2.0 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.</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 - Agent 6.2.x](#)

All Platforms Package Maintenance Levels - Agent 6.2.x

- [Overview](#)
- [Release 6.2.0.3 - November 16, 2015](#)
- [Release 6.2.0.2 - October 31, 2015](#)
- [Release 6.2.0.1 - September 30, 2015](#)
- [Release 6.2.0.0 - June 30, 2015](#)

Overview

This page identifies the changes made in all Universal Agent 6.2.0 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 6.2.0 packages, such as Universal Command Agent for SOA 6.2.0, 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 6.2.0.3 - November 16, 2015

Change ID	Platform	Component	Description
D-06164	z/OS UNIX, Windows	UAGCMDZ UAGCMD	Prevent possible segmentation fault when certain resources become unavailable during processing of an ops-trigger-now CLI function.
D-06202	UNIX, Windows	OMS Server	Prevent build-up of unused files during cleanup if an older file contains an unconsumed message.
D-06241	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.
D-06243	All	UAGSRV	Make sure <code>\$_ops_trigger_file_name_nopath</code> contains the correct value if the file name contains spaces.
D-06247	UNIX	UAGSRV	Fix possible memory leak for File Monitor tasks.

Release 6.2.0.2 - October 31, 2015

Change ID	Platform	Component	Description
B-05429	UNIX, Windows, z/OS	UAGCMD UAGCMDZ	Update command line help for wait-type and wait-day-constraint options for the ops-task-set-timewait CLI function.
B-05467	All	UDM, UDMSRV	Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop.
B-05479	Windows	Install	Update branding and logos .
B-05480	UNIX, Windows Windows Windows, z/OS Windows	UEMSRV UEM Server Configuration Control UECTLR UEC Configuration Control	Remove license requirement.
D-04342	All	UDM, UDM (USS), UDMSRV	Retry and gracefully handle failed message queue memory allocations.
D-06006	z/OS	UAGU83	Fix File Monitor Tasks to handle wildcards.
D-06096	UNIX	UAGSRV	Fix problem monitoring files larger than 2GB on AIX.
D-06105	All	UAGSRV	Successfully return output when “last 1 line” is selected for retrieval.
D-06106	UNIX	UAGSRV	Fix format of CPU identification string for Linux S390 systems.
D-06108	UNIX, Windows z/OS	UAGCMD UAGCMDZ	Update command line help for ops-task-rerun CLI function.
D-06146	UNIX, Windows	UAGSRV	Prevent all Application Control task instances from going into Query Overdue status if any one of the active monitors are stuck in a query.
D-06151	UNIX, Windows	UAGSRV	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover .
D-06214	All	UDM, UDM (USS), UDMSRV	Make value of <code>_existdir</code> built-in variable accessible when <code>existdir</code> is called from a subroutine or an external script.

Release 6.2.0.1 - September 30, 2015

Change ID	Platform	Component	Description
B-04058	z/OS	UAGRERUN	Initial support for executing UAGRERUN outside of UAGSRV.

B-04908	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 UAG for Windows 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).
D-04243	UNIX	User Mode Install	Make sure various directories are set correctly in configuration files following a user mode install .
D-05660	UNIX, Windows	OMSSRV	Improve OMS database recovery when no space is available.
D-05695	UNIX, Windows	USAP Install	Remove NetWeaver RFC runtime objects from USAP install. Required components must be obtained from vendor.
D-05867	z/OS	UAGSRV	Fix a problem that may prevent Create and Delete File Monitors from completing.
D-05868	All	UDM, UDMSRV	Fix “Invalid command” following the last iteration of a forfiles loop when a command is stored in a script variable.
D-05873	UNIX	UAGSRV	Populate appropriate built-in variables when a MISSING File Monitor which uses regular expressions fails.
D-05876	Windows	Install	Fix rendering of install dialogs when executed on a display running at a very high resolution.
D-05889	z/OS	UAGSRV	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun.
D-05890	UNIX, Windows, z/OS	UAGCMDZ, UAG CLI Programs	Create unique trace file names for each CLI instance.
D-05897	UNIX, Windows	UAGSRV	Fix a file handle leak in FTP File Monitors .
D-05904	UNIX	User Mode Install	Make sure UAGCMD is installed to correct location.
D-05944	UNIX	UAGSRV	Prevent possible deadlock when several File Monitor task instances start and finish simultaneously.
D-05954	UNIX, Windows	OMSSRV	Prevent an error which may cause the Universal Controller Command Line Interface (CLI) utilities to become unresponsive.
D-05988	UNIX	UDMSRV	Show version information for UDM Server instead of UDM Manager.
D-06061	Windows	UAGSRV	Make sure that CREATE File Monitor tasks successfully detect all matching files when several files are created simultaneously.

Release 6.2.0.0 - June 30, 2015

Change ID	Platform	Component	Description
B-03230	UNIX, Windows	USAP	Migrate from classic RFC SDK interface to Netweaver RFC.

B-03688	UNIX, Windows, z/OS	UAGCMD, UAGCMDZ	<p>Combine separate command line utilities for UNIX and Windows into a single application, uagcmd.</p> <p>Provide support for the following actions:</p> <ul style="list-style-type: none"> • Clear Dependencies • Clear Exclusive • Clear Predecessors • Clear Resources • Clear Time Dependency • Delete Agent • List OMS Status • List Task Dependencies • List Virtual Resources • Insert Workflow Task • Set Task Wait Time/Duration • Set Trigger Time • Schedule Bundle Promotion
B-04418	UNIX, Windows	USAP	Obtained SAP certification for XBP 6.1 and 7.0 interfaces for NetWeaver and HANA platforms.
B-04826	All	UAGSRV, UDM, UDMSRV	<p>Add regular expression (Regex) support to file name patterns for File Monitor, FTP File Monitor, and UDM task types.</p> <p>Add regular expression (regex) support to file name patterns for the copy, delete, dir, forfiles, and move commands.</p>
B-04685	All	UDM, UDMSRV	Add support for UTF-16 transfer and conversion.

zOS Package Maintenance Levels - Agent 6.2.x

- Overview
- Universal Agent 6.2.0 for z/OS Packages
 - 6.2.0.3 - November 16, 2015
 - 6.2.0.2 - October 31, 2015
 - 6.2.0.1 - September 30, 2015
 - 6.2.0.0 - June 30, 2015

Overview

This page identifies the package contents for all Universal Agent 6.2.0 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 - Agent 6.2.x](#).

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.2.x](#).

Universal Agent 6.2.0 for z/OS Packages

The following table identifies the maintenance level of all components contained in each Universal Agent 6.2.0 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
6.2.0.3	November 16, 2015	6.2.0.0	6.2.0.0	6.2.0.3		6.2.0.3	6.2.0.0	6.2.0.0	6.2.0.0	5.2.1.0	6.2.0.0	6.2.0.0	6.2.0.3	6.2.0.3
6.2.0.2	October 31, 2015	6.2.0.0	6.2.0.0	6.2.0.2		6.2.0.2	6.2.0.0	6.2.0.0	6.2.0.0	5.2.1.0	6.2.0.0	6.2.0.0	6.2.0.2	6.2.0.2
6.2.0.1	September 30, 2015	6.2.0.0	6.2.0.0	6.2.0.1		6.2.0.1	6.2.0.0	6.2.0.0	6.2.0.0	5.2.1.0	6.2.0.0	6.2.0.0	6.2.0.1	6.2.0.1
6.2.0.0	June 30, 2015	6.2.0.0	6.2.0.0	6.2.0.0		6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	5.2.1.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0



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.

6.2.0.3 - November 16, 2015

Change ID	Platform	Component	PTF	Description
D-06164	z/OS	UAGCMDZ	PS09008	Prevent possible segmentation fault when certain resources become unavailable during processing of an ops-trigger-now CLI function.
D-06241	All	UDM, UDM (USS) UDMSRV UDMMCENG, UDMMCENG (USS)	PS10005, PS11003, PS10006 PS10007, PS11004	Make sure wildcard expansion correctly populates built-in <code>\$_file.wildcardn</code> variables when a complete path name is specified in a forfiles statement.
D-06243	All	UAGSRV	PS09009	Make sure <code>\$_ops_trigger_file_name_nopath</code> contains the correct value if the file name contains spaces.

6.2.0.2 - October 31, 2015

Change ID	Platform	Component	PTF	Description
B-05429	z/OS	UAGCMDZ	PS09005	Update command line help for wait-type and wait-day-constraint options for the ops-task-set-timewait CLI function.
B-05467	All	UDM UDM (USS) UDMSRV	PS10003, PS11002, PS10004	Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop.
B-05480	Windows, z/OS	UECTLR	PS12001	Remove license requirement.
D-04342	All	UDM, UDM (USS), UDMSRV	PS10003, PS11002, PS10004	Retry and gracefully handle failed message queue memory allocations.
D-06006	z/OS	UAGU83	PS09006	Fix File Monitor Tasks to handle wildcards.
D-06105	All	UAGSRV	PS09004	Successfully return output when "last 1 line" is selected for retrieval.
D-06108	All	UAGCMDZ	PS09005	Update command line help for ops-task-rerun CLI function.
D-06214	All	UDM, UDM (USS), UDMSRV	PS10003, PS11002, PS10004	Make value of <code>_existdir</code> built-in variable accessible when <code>existdir</code> is called from a subroutine or an external script.

6.2.0.1 - September 30, 2015

Change ID	Platform	Component	PTF	Description
B-04058	z/OS	UAGRERUN	PS09002, PS09004	Initial support for executing UAGRERUN outside of UAGSRV.
B-04908	All	UAGSRV	PS09003	<p>Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors.</p> <p>Two new UAG for Windows 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).
D-05867	z/OS	UAGSRV	PS09003	Fix a problem that may prevent Create and Delete File Monitors from completing.
D-05868	All	UDM, UDMSRV	PS10001, PS11001, PS10002	Fix “Invalid command” following the last iteration of a forfiles loop when a command is stored in a script variable.
D-05889	z/OS	UAGSRV	PS09003	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun.
D-05890	UNIX, Windows, z/OS	UAGCMDZ, UAG CLI Programs	PS09001	Create unique trace file names for each CLI instance.

6.2.0.0 - June 30, 2015

Change ID	Platform	Component	PTF	Description
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B-03688	z/OS	UAGCMDZ	n/a	<p>Combine separate command line utilities for UNIX and Windows into a single application, uagcmd.</p> <p>Provide support for the following actions:</p> <ul style="list-style-type: none"> • Clear Dependencies • Clear Exclusive • Clear Predecessors • Clear Resources • Clear Time Dependency • Delete Agent • List OMS Status • List Task Dependencies • List Virtual Resources • Insert Workflow Task • Set Task Wait Time/Duration • Set Trigger Time • Schedule Bundle Promotion
B-04826	All	UAGSRV, UDM, UDMSRV	n/a n/a	<p>Add regular expression (Regex) support to file name patterns for File Monitor, FTP File Monitor, and UDM task types.</p> <p>Add regular expression (regex) support to file name patterns for the copy, delete, dir, forfiles, and move commands.</p>
B-04685	All	UDM, UDMSRV	n/a	<p>Add support for UTF-16 transfer and conversion.</p>

Windows Package Maintenance Levels - Agent 6.2.x

- Overview
- Universal Agent 6.2.0 for Windows Packages
 - Agent 6.2.0.3 - November 16, 2015
 - Agent 6.2.0.2 - October 31, 2015
 - Agent 6.2.0.1 - September 30, 2015
 - Agent 6.2.0.0 - June 30, 2015
- Universal Enterprise Controller 6.2.0 for Windows Packages
 - UEC 6.2.0.1 - October 31, 2015
- Universal Enterprise Controller Client Applications 6.2.0 for Windows Packages
- Universal Agent for SOA 6.2.0 for Windows Packages
 - Agent for SOA 6.2.0.0 - October 31, 2015

Overview

This page identifies the package contents for all Universal Agent 6.2.0 for Windows maintenance releases, including the initial release, and the maintenance level of every component in each package.

This information is for all Universal Agent 6.2.0 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 6.2.x](#).

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.2.x](#).

Universal Agent 6.2.0 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 Control	Universal Database Utilities	Universal Data Mover Manager	Universal Data Mover Server
6.2.0.3	November 16, 2015	6.2.0.2	6.2.0.0	6.2.0.3	6.2.0.2	6.2.0.3	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.3	6.2.0.3
6.2.0.2	October 31, 2015	6.2.0.2	6.2.0.0	6.2.0.2	6.2.0.1	6.2.0.2	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.2	6.2.0.2
6.2.0.1	September 30, 2015	6.2.0.1	6.2.0.0	6.2.0.1	6.2.0.1	6.2.0.1	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.1	6.2.0.1

6.2.0.0	June 30, 2015	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0
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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 6.2.0.3 - November 16, 2015

Change ID	Platform	Component	Description
D-06164	UNIX, Windows	UAGCMD	Prevent possible segmentation fault when certain resources become unavailable during processing of an ops-trigger-now CLI function.
D-06202	UNIX, Windows	OMS Server	Prevent buildup of unused files during cleanup if an older file contains an unconsumed message.
D-06241	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.
D-06243	All	UAGSRV	Make sure <code>\$_{ops_trigger_file_name_nopath}</code> contains the correct value if the file name contains spaces.

Agent 6.2.0.2 - October 31, 2015

Change ID	Platform	Component	Description
B-05429	UNIX, Windows	UAGCMD	Update command line help for wait-type and wait-day-constraint options for the ops-task-set-timewait CLI function.
B-05467	All	UDM, UDMSRV	Provide new built-in variables to hold tokens found during wildcard (*, ?) pattern matching within a forfiles loop.
B-05479	Windows	Install	Update branding and logos .
B-05480	UNIX, Windows Windows	UEMSRV UEM Server Configuration Control	Remove license requirement.
D-04342	All	UDM, UDMSRV	Retry and gracefully handle failed message queue memory allocations.
D-06105	All	UAGSRV	Successfully return output when "last 1 line" is selected for retrieval.
D-06108	UNIX, Windows	UAGCMD	Update command line help for ops-task-rerun CLI function.
D-06146	UNIX, Windows	UAGSRV	Prevent all Application Control task instances from going into Query Overdue status if any one of the active monitors are stuck in a query.

D-06151	UNIX, Windows	UAGSRV	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover .
D-06214	All	UDM, UDMSRV	Make value of <code>_existdir</code> built-in variable accessible when <code>existdir</code> is called from a subroutine or an external script.

Agent 6.2.0.1 - September 30, 2015

Change ID	Platform	Component	Description
B-04908	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 UAG for Windows configuration options are provided:</p> <ul style="list-style-type: none"> • <code>FM_FAULT_TOLERANT</code> – Enables fault tolerant file monitor behavior (Default is no). • <code>FM_FAULT_TOLERANT_TIMEOUT</code> – The time a file monitor task will wait before failing when fault-tolerant behavior is enabled (Default is 120s).
D-05660	UNIX, Windows	OMSSRV	Improve OMS database recovery when no space is available.
D-05695	UNIX, Windows	USAP Install	Remove NetWeaver RFC runtime objects from USAP install. Required components must be obtained from vendor.
D-05868	All	UDM, UDMSRV	Fix “Invalid command” following the last iteration of a forfiles loop when a command is stored in a script variable.
D-05876	Windows	Install	Fix rendering of install dialogs when executed on a display running at a very high resolution.
D-05890	UNIX, Windows, z/OS	UAGCMDZ, UAG CLI Programs	Create unique trace file names for each CLI instance.
D-05897	UNIX, Windows	UAGSRV	Fix a file handle leak in FTP File Monitors .
D-05954	UNIX, Windows	OMSSRV	Prevent an error which may cause the Universal Controller Command Line Interface (CLI) utilities to become unresponsive.
D-06061	Windows	UAGSRV	Make sure that CREATE File Monitor tasks successfully detect all matching files when several files are created simultaneously.

Agent 6.2.0.0 - June 30, 2015

Change ID	Platform	Component	Description
B-03230	UNIX, Windows	USAP	Migrate from classic RFC SDK interface to Netweaver RFC .

B-03688	UNIX, Windows	UAGCMD	<p>Combine separate command line utilities for UNIX and Windows into a single application, uagcmd.</p> <p>Provide support for the following actions:</p> <ul style="list-style-type: none"> • Clear Dependencies • Clear Exclusive • Clear Predecessors • Clear Resources • Clear Time Dependency • Delete Agent • List OMS Status • List Task Dependencies • List Virtual Resources • Insert Workflow Task • Set Task Wait Time/Duration • Set Trigger Time • Schedule Bundle Promotion
B-04418	UNIX, Windows	USAP	Obtained SAP certification for XBP 6.1 and 7.0 interfaces for NetWeaver and HANA platforms.
B-04826	All	UAGSRV UDM, UDMSRV	<p>Add regular expression (Regex) support to file name patterns for File Monitor, FTP File Monitor, and UDM task types.</p> <p>Add regular expression (regex) support to file name patterns for the copy, delete, dir, forfiles, and move commands.</p>
B-04685	All	UDM, UDMSRV	Add support for UTF-16 transfer and conversion.

Universal Enterprise Controller 6.2.0 for Windows Packages

Release	Release Date	Universal Enterprise Controller
6.2.0.1	October 31, 2015	6.2.0.1

UEC 6.2.0.1 - October 31, 2015

Change ID	Platform	Component	Description
B-05480	Windows, z/OS Windows	UECTLR UEC Configuration Control	Remove license requirement.

Universal Enterprise Controller Client Applications 6.2.0 for Windows Packages

Release	Release Date	I-Activity Monitor	I-Administrator	I-Management Console
6.2.0.0	October 31, 2015	6.2.0.0	6.2.0.0	6.2.0.0

Universal Agent for SOA 6.2.0 for Windows Packages

Release	Release Date	Universal Command Agent for SOA
6.2.0.0	October 31, 2015	6.2.0.0

Agent for SOA 6.2.0.0 - October 31, 2015

Change ID	Platform	Component	Description
D-06112	Windows	Install	Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later (including 6.2.0) installations in order to satisfy installation prerequisite.

UNIX Package Maintenance Levels - Agent 6.2.x

- Overview
- Universal Agent 6.2.0 for UNIX Packages
 - Agent 6.2.0.3 - November 16, 2015
 - Agent 6.2.0.2 - October 31, 2015
 - Agent 6.2.0.1 - September 30, 2015
 - Agent 6.2.0.0 - June 30, 2015
- Universal Agent for SOA 6.2.0 for UNIX Packages

Overview

This page identifies the package contents for all Universal Agent 6.2.0 for UNIX maintenance releases, including the initial release, and the maintenance level of every component in each package.

This information is for both Universal Agent 6.2.0 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 6.2.x](#).

For a list of all changes in a release - all platforms, specific components - see [Component Maintenance Levels - Agent 6.2.x](#).

Universal Agent 6.2.0 for UNIX Packages

This table identifies components generally available for UNIX. For a list of components currently contained in specific UNIX platforms, see [Universal Automation Center 6.2 Platform Support](#).

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 Control	Universal Database Utilities	Universal Data Mover Manager	Universal Data Mover Server
6.2.0.3	November 16, 2015	6.2.0.1	6.2.0.0	6.2.0.3	6.2.0.2	6.2.0.3	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0 (5.2.0.1 for AIX)	6.2.0.0	6.2.0.0	6.2.0.3	6.2.0.3
6.2.0.2	October 31, 2015	6.2.0.1	6.2.0.0	6.2.0.2	6.2.0.1	6.2.0.2	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0 (5.2.0.1 for AIX)	6.2.0.0	6.2.0.0	6.2.0.2	6.2.0.2

6.2.0.1	September 30, 2015	6.2.0.1	6.2.0.0	6.2.0.1	6.2.0.1	6.2.0.1	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0 (5.2.0.1 for AIX)	6.2.0.0	6.2.0.0	6.2.0.1	6.2.0.1
6.2.0.0	June 30, 2015	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0 (5.2.0.1 for AIX)	6.2.0.0	6.2.0.0	6.2.0.0	6.2.0.0


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.

Agent 6.2.0.3 - November 16, 2015

Change ID	Platform	Component	Description
D-06164	UNIX, Windows	UAGCMD	Prevent possible segmentation fault when certain resources become unavailable during processing of an <code>ops-trigger-now</code> CLI function.
D-06202	UNIX, Windows	OMS Server	Prevent build-up of unused files during cleanup if an older file contains an unconsumed message.
D-06241	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.
D-06243	All	UAGSRV	Make sure <code>\$_ops_trigger_file_name_nopath</code> contains the correct value if the file name contains spaces.
D-06247	UNIX	UAGSRV	Fix possible memory leak for <code>File Monitor</code> tasks.

Agent 6.2.0.2 - October 31, 2015

Change ID	Platform	Component	Description
B-05429	UNIX, Windows	UAGCMD	Update command line help for <code>wait-type</code> and <code>wait-day-constraint</code> options for the <code>ops-task-set-timewait</code> CLI function.
B-05467	All	UDM, UDMSRV	Provide new built-in variables to hold tokens found during wildcard (<code>*</code> , <code>?</code>) pattern matching within a <code>forfiles</code> loop.
B-05480	UNIX, Windows	UEMSRV	Remove license requirement.
D-04342	All	UDM, UDMSRV	Retry and gracefully handle failed message queue memory allocations.
D-06096	UNIX	UAGSRV	Fix problem monitoring files larger than 2GB on AIX.
D-06105	All	UAGSRV	Successfully return output when “last 1 line” is selected for retrieval.
D-06106	UNIX	UAGSRV	Fix format of CPU identification string for Linux S390 systems.

D-06108	UNIX, Windows	UAGCMD	Update command line help for ops-task-rerun CLI function.
D-06146	UNIX, Windows	UAGSRV	Prevent all Application Control task instances from going into Query Overdue status if any one of the active monitors are stuck in a query.
D-06151	UNIX, Windows	UAGSRV	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover .
D-06214	All	UDM, UDMSRV	Make value of _existdir built-in variable accessible when existdir is called from a subroutine or an external script.

Agent 6.2.0.1 - September 30, 2015

Change ID	Platform	Component	Description
B-04908	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 UAG for Windows 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).
D-04243	UNIX	User Mode Install	Make sure various directories are set correctly in configuration files following a user mode install .
D-05660	UNIX, Windows	OMSSRV	Improve OMS database recovery when no space is available.
D-05695	UNIX, Windows	USAP Install	Remove NetWeaver RFC runtime objects from USAP install. Required components must be obtained from vendor.
D-05868	All	UDM, UDMSRV	Fix “Invalid command” following the last iteration of a forfiles loop when a command is stored in a script variable.
D-05873	UNIX	UAGSRV	Populate appropriate built-in variables when a MISSING File Monitor which uses regular expressions fails.
D-05890	UNIX, Windows, z/OS	UAGCMDZ, UAG CLI Programs	Create unique trace file names for each CLI instance.
D-05897	UNIX, Windows	UAGSRV	Fix a file handle leak in FTP File Monitors .
D-05904	UNIX	User Mode Install	Make sure UAGCMD is installed to correct location.
D-05944	UNIX	UAGSRV	Prevent possible deadlock when several File Monitor task instances start and finish simultaneously.
D-05954	UNIX, Windows	OMSSRV	Prevent an error which may cause the Universal Controller Command Line Interface (CLI) utilities to become unresponsive.
D-05988	UNIX	UDMSRV	Show version information for UDM Server instead of UDM Manager.

Agent 6.2.0.0 - June 30, 2015

Change ID	Platform	Component	Description
B-03230	UNIX, Windows	USAP	Migrate from classic RFC SDK interface to Netweaver RFC.
B-03688	UNIX, Windows	UAGCMD	<p>Combine separate command line utilities for UNIX and Windows into a single application, uagcmd.</p> <p>Provide support for the following actions:</p> <ul style="list-style-type: none"> • Clear Dependencies • Clear Exclusive • Clear Predecessors • Clear Resources • Clear Time Dependency • Delete Agent • List OMS Status • List Task Dependencies • List Virtual Resources • Insert Workflow Task • Set Task Wait Time/Duration • Set Trigger Time • Schedule Bundle Promotion
B-04418	UNIX, Windows	USAP	Obtained SAP certification for XBP 6.1 and 7.0 interfaces for NetWeaver and HANA platforms.
B-04826	All	UAGSRV	Add regular expression (Regex) support to file name patterns for File Monitor, FTP File Monitor, and UDM task types.
B-04685	All	UDM, UDMSRV	Add support for UTF-16 transfer and conversion.

Universal Agent for SOA 6.2.0 for UNIX Packages

Release	Release Date	Universal Command Agent for SOA
6.2.0.0	October 31, 2015	6.2.0.0

IBM i Package Maintenance Levels - Agent 6.2.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 6.2.x

- 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.
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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 gtac l 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.

Component Maintenance Levels - Agent 6.2.x

- [Introduction](#)
- [Universal Agent for SOA](#)
- [Universal Automation Center Agent](#)
- [Universal Command Line Interface \(CLI\)](#)
- [Universal Connector](#)
- [Universal Data Mover](#)
- [Universal Enterprise Controller](#)
- [Universal Event Monitor](#)
- [Universal Message Service \(OMS\)](#)
- [Install](#)

Introduction

This page summarizes the changes introduced in each component maintenance release for Universal Agent 6.2.0.

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](#)

Universal Agent for SOA

Release 6.2.0.0 - October 31, 2015

Change ID	Component	Platform	Description
D-06112	Install	Windows	Allow Universal Agent for SOA to recognize Universal Broker 3.2.0 and later (including 6.2.0) installations in order to satisfy installation prerequisite.

Universal Automation Center Agent

Release 6.2.0.3 - November 16, 2015

Change ID	Component	Platform	Description
D-06243	UAGSRV	All	Make sure <code>ops_trigger_file_name_nopath</code> contains the correct value if the file name contains spaces.
D-06247	UAGSRV	UNIX	Fix possible memory leak for File Monitor tasks.

Release 6.2.0.2 - October 31, 2015

Change ID	Component	Platform	Description
D-06006	UAGU83	z/OS	Fix File Monitor Tasks to handle wildcards.
D-06096	UAGSRV	UNIX	Fix problem monitoring files larger than 2GB on AIX.
D-06105	UAGSRV	All	Successfully return output when “last 1 line” is selected for retrieval.
D-06106	UAGSRV	UNIX	Fix format of CPU identification string for Linux S390 systems.
D-06146	UAGSRV	UNIX, Windows	Prevent all Application Control task instances from going into Query Overdue status if any one of the active monitors are stuck in a query.
D-06151	UAGSRV	UNIX, Windows	Make regular expression behavior for File Monitor tasks similar to that found in Universal Data Mover .

Release 6.2.0.1 - September 30, 2015

Change ID	Component	Platform	Description
B-04058	UAGRERUN	z/OS	Initial support for executing UAGRERUN outside of UAGSRV.
B-04908	UAGSRV	All	Allow File Monitor tasks to recover from and resume execution following temporary environmental interruptions and other transient errors. Two new UAG for Windows 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).
D-05867	UAGSRV	z/OS	Fix a problem that may prevent Create and Delete File Monitors from completing.
D-05873	UAGSRV	UNIX	Populate appropriate built-in variables when a MISSING File Monitor which uses regular expressions fails.
D-05889	UAGSRV	z/OS	Make sure that z/OS tasks with step condition codes require confirmation when JCL changes are made prior to rerun.
D-05897	UAGSRV	UNIX, Windows	Fix a file handle leak in FTP File Monitors .
D-05944	UAGSRV	UNIX	Prevent possible deadlock when several File Monitor task instances start and finish simultaneously.
D-06061	UAGSRV	Windows	Make sure that CREATE File Monitor tasks successfully detect all matching files when several files are created simultaneously.

Release 6.2.0.0 - June 30, 2015

Change ID	Component	Platform	Description
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B-03688	UAGCMDZ, UAGCMD	UNIX, Windows, z/OS	Combine separate command line utilities for UNIX and Windows into a single application, uagcmd. Provide support for the following actions: <ul style="list-style-type: none"> • Clear Dependencies • Clear Exclusive • Clear Predecessors • Clear Resources • Clear Time Dependency • Delete Agent • List OMS Status • List Task Dependencies • List Virtual Resources • Insert Workflow Task • Set Task Wait Time/Duration • Set Trigger Time • Schedule Bundle Promotion
B-04826	UAGSRV	All	Add regular expression (Regex) support to file name patterns for File Monitor, FTP File Monitor, and UDM task types.

Universal Command Line Interface (CLI)

Release 6.2.0.3 - November 16, 2015

Change ID	Component	Platform	Description
D-06164	UAGCMDZ UAGCMD	z/OS UNIX, Windows	Prevent possible segmentation fault when certain resources become unavailable during processing of an ops-trigger-now CLI function.

Release 6.2.0.2 - October 31, 2015

Change ID	Component	Platform	Description
B-05429	UAGCMDZ, UAGCMD	z/OS, UNIX, Windows	Update command line help for wait-type and wait-day-constraint options for the ops-task-set-timewait CLI function.
D-06108	UAGCMDZ, UAGCMD	z/OS, UNIX, Windows	Update command line help for ops-task-rerun CLI function.

Release 6.2.0.1 - September 30, 2015

Change ID	Component	Platform	Description
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D-05890	UAGCMDZ, UAG CLI Programs	UNIX, Windows, z/OS	Create unique trace file names for each CLI instance.
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Universal Connector

Release 6.2.0.0 - June 30, 2015

Change ID	Component	Platform	Description
B-03230	USAP	UNIX, Windows	Migrate from classic RFC SDK interface to Netweaver RFC.
B-04418	USAP	UNIX, Windows	Obtained SAP certification for XBP 6.1 and 7.0 interfaces for NetWeaver and HANA platforms.

Universal Data Mover

Release 6.2.0.3 - November 16, 2015

Change ID	Component	Platform	Description
D-06241	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 <code>forfiles</code> statement.

Release 6.2.0.2 - October 31, 2015

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 <code>forfiles</code> loop.
D-04342	UDM, UDMSRV	All	Retry and gracefully handle failed message queue memory allocations.
D-06214	UDM, UDMSRV	All	Make value of <code>_existdir</code> built-in variable accessible when <code>existdir</code> is called from a subroutine or an external script.

Release 6.2.0.1 - September 30, 2015

Change ID	Component	Platform	Description
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D-05868	UDM, UDMSRV	All	Fix "Invalid command" following the last iteration of a forfiles loop when a command is stored in a script variable.
D-05988	UDMSRV	UNIX	Show version information for UDM Server instead of UDM Manager.

Release 6.2.0.0 - June 30, 2015

Change ID	Component	Platform	Description
B-04685	UDM, UDMSRV	All	Add support for UTF-16 transfer and conversion.
B-04826	UDM, UDMSRV	All	Add regular expression (Regex) support to file name patterns for the copy, delete, dir, forfiles, and move commands.

Universal Enterprise Controller

Release 6.2.0.1 - October 31, 2015

Change ID	Component	Platform	Description
B-05480	UECTLR UEC Configuration Control	Windows, z/OS Windows	Remove license requirement.

Universal Event Monitor

Release 6.2.0.1 - October 31, 2015

Change ID	Component	Platform	Description
B-05480	UEMSRV UEM Server Configuration Control	UNIX, Windows Windows	Remove license requirement.

Universal Message Service (OMS)

Release 6.2.0.2 - November 16, 2015

Change ID	Component	Platform	Description
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D-06202	OMS Server	UNIX, Windows	Prevent build-up of unused files during clean-up if an older file contains an unconsumed message.
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Release 6.2.0.1 - September 30, 2015

Change ID	Component	Platform	Description
D-05660	OMSSRV	UNIX, Windows	Improve OMS database recovery when no space is available.
D-05954	OMSSRV	UNIX, Windows	Prevent an error which may cause the Universal Controller Command Line Interface (CLI) utilities to become unresponsive.

Install

Release 6.2.0.2 - October 31, 2015

Change ID	Component	Platform	Description
B-05479	Install	Windows	Update branding and logos .

Release 6.2.0.1 - September 30, 2015

Change ID	Component	Platform	Description
D-04243	User Mode Install	UNIX	Make sure various directories are set correctly in configuration files following a user mode install .
D-05695	USAP Install	UNIX, Windows	Remove NetWeaver RFC runtime objects from USAP install. Required components must be obtained from vendor.
D-05876	Install	Windows	Fix rendering of install dialogs when executed on a display running at a very high resolution.
D-05904	User Mode Install	UNIX	Make sure UAGCMD is installed to correct location.