

stonebranch

Workload Automation 5.1.0

Maintenance

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Workload Automation 5.1.0 Maintenance

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Introduction

Workload Automation 5.1.0 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. This document lists the product installation package and component maintenance history for Workload Automation 5.1.0.

Product Packaging

Workload Automation components are bundled together into product installation packages, simply referred 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. 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, Workload Automation for z/OS and UNIX may be at maintenance level 5.1.0.1, but Workload Automation for Windows may be at 5.1.0.0.

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 Workload Automation 5.1.0.1:

- 5 = Version 5
- 1 = Release 1
- 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 uniquely identified with its own version, release, modification level, and maintenance level independent of the package version or other component versions. For example, for Universal Command 5.1.0.0:

- 5 = Version 5
- 1 = Release 1
- 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 Workload Automation 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>Packages are created to comply with the UNIX vendor recommendations. If a UNIX vendor does not have a preferred installation method, the Stonebranch UNIX installation script is used.</p> <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>Packaging 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

This section lists the component levels included in the Workload Automation 5.1.0 packages for each release.

Workload Automation 5.1.0 Packages

z/OS

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
5.1.0.18	April 3, 2014	5.1.0.4	5.1.0.18	5.1.0.0	5.1.0.3	5.1.0.1	5.1.0.3	5.1.0.1	5.1.0.0	5.1.0.5	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.17	September 16, 2013	5.1.0.4	5.1.0.17	5.1.0.0	5.1.0.3	5.1.0.1	5.1.0.3	5.1.0.1	5.1.0.0	5.1.0.4	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.16	July 10, 2013	5.1.0.4	5.1.0.16	5.1.0.0	5.1.0.3	5.1.0.1	5.1.0.3	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.14	March 28, 2013	5.1.0.1	5.1.0.14	5.1.0.0	5.1.0.3	5.1.0.1	5.1.0.3	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.12	January 28, 2013	5.1.0.1	5.1.0.12	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.10	December 14, 2012	5.1.0.1	5.1.0.10	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.9	November 15, 2012	5.1.0.1	5.1.0.9	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.8	October 18, 2012	5.1.0.1	5.1.0.8	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.7	September 27, 2012	5.1.0.1	5.1.0.7	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.6	September 18, 2012	5.1.0.1	5.1.0.6	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.5	September 13, 2012	5.1.0.1	5.1.0.5	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.4	July 16, 2012	5.1.0.1	5.1.0.4	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.1

5.1.0.3	June 29, 2012	5.1.0.1	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.1
5.1.0.2	April 26, 2012	5.1.0.0	5.1.0.2	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0
5.1.0.1	March 16, 2012	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0
5.1.0.0	January 30, 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	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0

Package Installation Changes

The following Workload Automation for z/OS packages include package installation changes:

Release	Release Date	Change ID	Component	Platform	Description
5.1.0.1	March 16, 2012	D-02817	Install	z/OS	Upgrade from 3.x or 4.x did not allocate UAG model data set.

Windows

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
5.1.0.18	April 3, 2014	5.1.0.2	5.1.0.18	5.1.0.0	5.1.0.3	5.1.0.3	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.4	5.1.0.0		5.1.0.2
5.1.0.17	September 16, 2013	5.1.0.2	5.1.0.17	5.1.0.0	5.1.0.3	5.1.0.3	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.4	5.1.0.0		5.1.0.2
5.1.0.16	July 10, 2013	5.1.0.2	5.1.0.16	5.1.0.0	5.1.0.3	5.1.0.3	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.2
5.1.0.15	April 24, 2013	5.1.0.2	5.1.0.15	5.1.0.0	5.1.0.3	5.1.0.3	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.14	March 28, 2013	5.1.0.2	5.1.0.14	5.1.0.0	5.1.0.3	5.1.0.3	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.13	February 15, 2013	5.1.0.2	5.1.0.13	5.1.0.0	5.1.0.2	5.1.0.3	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.12	January 28, 2013	5.1.0.2	5.1.0.12	5.1.0.0	5.1.0.2	5.1.0.3	5.1.0.2	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.11	December 19, 2012	5.1.0.2	5.1.0.11	5.1.0.0	5.1.0.0	5.1.0.2	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.10	December 14, 2012	5.1.0.2	5.1.0.10	5.1.0.0	5.1.0.0	5.1.0.2	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.9	November 15, 2012	5.1.0.0	5.1.0.9	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.8	October 18, 2012	5.1.0.0	5.1.0.8	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.5	September 13, 2012	5.1.0.0	5.1.0.5	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.3	June 29, 2012	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0
5.1.0.1	March 16, 2012	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0

5.1.0.0	January 30, 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	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0
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NOTE: Universal Enterprise Controller is packaged separately (see [below](#)).

Package Installation Changes

The following Workload Automation for Windows packages include package installation changes:

Release	Release Date	Change ID	Component	Platform	Description
5.1.0.18	April 3, 2014	B-03086	Install	Windows	Support the maximum account length for Universal Broker service domain account.
5.1.0.18	April 3, 2014	B-04297	Install	Windows	Increase the maximum password length for the Universal Broker service account to 256 characters.
5.1.0.3	June 29, 2012	D-03000	Install	Windows	New Broker will not start if trace_directory in ubroker.conf points to directory removed during 32- to 64-bit crossgrade.

UNIX

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
5.1.0.18	April 3, 2014	5.1.0.3	5.1.0.18	5.1.0.0	5.1.0.3	5.1.0.5	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.5	5.1.0.0		5.1.0.3
5.1.0.17	September 16, 2013	5.1.0.3	5.1.0.17	5.1.0.0	5.1.0.3	5.1.0.5	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.4	5.1.0.0		5.1.0.3
5.1.0.16	July 10, 2013	5.1.0.3	5.1.0.16	5.1.0.0	5.1.0.3	5.1.0.5	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.15	April 24, 2013	5.1.0.3	5.1.0.15	5.1.0.0	5.1.0.3	5.1.0.5	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.14	March 28, 2013	5.1.0.3	5.1.0.14	5.1.0.0	5.1.0.3	5.1.0.4	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.13	February 15, 2013	5.1.0.3	5.1.0.13	5.1.0.0	5.1.0.2	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.12	January 28, 2013	5.1.0.3	5.1.0.12	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.10	December 14, 2012	5.1.0.0	5.1.0.10	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.9	November 15, 2012	5.1.0.0	5.1.0.9	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.5	September 13, 2012	5.1.0.0	5.1.0.5	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.3	5.1.0.0		5.1.0.0
5.1.0.3	June 29, 2012	5.1.0.0	5.1.0.3	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0
5.1.0.1	March 16, 2012	5.1.0.0	5.1.0.1	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0
5.1.0.0	January 30, 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	5.1.0.0	5.1.0.0	5.1.0.0	5.1.0.0		5.1.0.0

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

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Package Installation Changes

The following Workload Automation for UNIX packages include package installation changes:

Release	Release Date	Change ID	Component	Platform	Description
5.1.0.13	February 15, 2013	D-03492	UBROKER	HP-UX	ubrokerd daemon not started on reboot.
5.1.0.1	March 16, 2012	B-02851	All	z/Linux	Initial 5.1.0 delivery for z/Linux 64-bit

IBM i

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	February 28, 2018	5.1.0.0			5.1.0.0	5.1.0.0				5.1.0.0	5.1.0.0		
5.1.0.0	January 30, 2012	5.1.0.0			5.1.0.0	5.1.0.0				5.1.0.0	5.1.0.0		

(No component changes for release 5.1.0.0 on February 28, 2018.)

Universal Enterprise Controller 5.1.0 Package

Windows

Release	Release Date	Universal Enterprise Controller
5.1.0.0	January 30, 2012	5.1.0.0

Universal Enterprise Controller Client Applications 5.1.0 Package

Windows

Release	Release Date	I-Activity Monitor	I-Administrator	I-Management Console
5.1.0.0	January 30, 2012	5.1.0.0	5.1.0.0	5.1.0.0

Workload Automation for SOA 5.1.0 Package

Windows

Release	Release Date	Universal Command Agent for SOA
5.1.0.1	February 22, 2013	5.1.0.1
5.1.0.0	January 30, 2012	5.1.0.0

UNIX

Release	Release Date	Universal Command Agent for SOA
5.1.0.1	February 22, 2013	5.1.0.1
5.1.0.0	January 30, 2012	5.1.0.0

Universal Command 2.1.1 for HP NonStop Package

HP NonStop

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

Component Maintenance Levels

This section summarizes the changes introduced in each component maintenance release.

Universal Automation Center Agent

Release 5.1.0.18 - April 3, 2014

Change ID	Component	Platform	Description
D-03886	UAGSRV	Windows	A <i>Change file monitor</i> does not detect a change in the file modified time.
D-04019	UAGSRV	All	Running multiple <i>application monitors</i> can cause some monitors to go into Query Overdue status or cause <i>UAG</i> to crash.
D-04030	UAGSRV	Windows	<i>File monitors</i> are case-sensitive on a case-insensitive file system.
D-04108	UAGSRV	AIX	<i>Agent</i> log time stamps are off by an hour after DST switch.
D-04251	UAGSRV	All	<i>Application monitor</i> attempts to authenticate credentials when matching UACL rule disables authentication.
D-04252	UAGSRV	UNIX	Some shell (for example, ksh) environments result in invalid PATH environment variable.
D-04272	UAGSRV	UNIX	UAG hangs when <i>file monitor</i> process does not respond to shutdown.
D-04339	UAGSRV	z/OS	<i>UAGRERUN</i> ends with return code 173.
D-04389	UAGSRV	All	<i>Scan Text</i> does not find search string beyond the 5 MB position in the file.
D-04399	UAGSRV	Windows	Memory leak when running non-continuous <i>file monitors</i> .
D-04448	UAGSRV	All	<i>Application monitor</i> becomes unresponsive when query is performed during monitor start-up.

Release 5.1.0.17 - September 16, 2013

Change ID	Component	Platform	Description
B-03286	UAGSRV	UNIX and Windows	Add ability to specify UAG cache, logs, and var directories using new UAG <i>DATA_DIRECTORY</i> option.
D-03482	UAGSRV	z/OS	Reduced amount of CPU time used while UAGSRV is idle.
D-03488	UAGUJI	z/OS	Restart of a job reusing temporary data sets requires restart in first step allocating the temporary data set.
D-03562	UAGSRV	Windows	Event log message UAG1042I shows FTP password when executing an <i>SFTP transfer task</i> .
B-03781	UAGSRV	UNIX and Windows	Add support for output redirection on <i>SAP</i> , <i>Indesca</i> , and <i>Infitran</i> tasks.
D-03895	UAGSRV	z/OS	Improve job processing throughput with reduction in lock contention.

D-03901	UAGSRV	UNIX	UACL NOAUTH option not processed for file monitors causing abnormal end in cskern.
D-03918	UAGSRV	Windows	Task cancel command fails on Windows task with credentials.
D-03928	UAGSRV	All	Truncate retrieved output larger then 5 MB.
D-03954	UAGUJI, UAGUJV	z/OS	Automatic data set clean-up deleted input data set if allocation sequence is (SHR), (MOD,DELETE), (NEW,CATLG).
D-03964	UAGUSI	z/OS	Job step is not flushed if EXEC statement contains eight or more COND parameters and an Opswise step condition of CONTINUE/SUCCESS.
D-03971	UAGSRV	AIX	An unlimited ulimit value is not setting the resource limit to unlimited in task process.
D-03983	UAGSRV	UNIX and Windows	UNIX or Windows task executing command "udm" attempted to execute the task as an Infitran task and fails with UNV4061E.

Release 5.1.0.16 - July 10, 2013

Change ID	Component	Platform	Description
D-03105	UAGSRV	UNIX and Windows	Add support for file monitor credentials .
B-03596	UAGSRV	All	Add support for FTP file monitor stable period .
D-03598	UAGSRV	UNIX	Potential UAG crash when disabling one or many file monitors .
B-03648	UAGSRV	Windows	Add support for Windows batch login with UAG option LOGON_METHOD .
D-03700	UAGSRV	All	FTP tasks may end with success when the actual transfer failed.
B-03728	UAGSRV, UAGRERUN, UAGUJI, UAGUJV	z/OS	Add ability to disable automatic data set cleanup with parameter OPSDSDEL.
D-03729	UAGSRV	All	FTP file monitor falsely succeeds on some FTP servers.
D-03734	UAGSRV	All	FTP file monitor may not detect presence of file. Added List Format Options field to generated appropriate file list format.
D-03744	UAGSRV	All	Long Parameters field for Windows and Linux Unix tasks causes task to remain in Running status.
D-03745	UAGSRV	UNIX and Windows	UNIX or Windows task executing command udm causes task to remain in Queued status.
D-03796	UAGSRV	z/OS	JCL error may go undetected when job creates multiple JES SYSOUT output groups.
D-03801	UAGSRV	z/OS	UAG1066E message reporting SAPI invalid search arguments error due to missing job ID.
D-03803	UAGSRV	z/OS	Intermittent UAG1075E errors reported for function WmsgSetTagged.
D-03808	UAGSRV	z/OS	Create file monitor does not trigger if Stable (seconds) field is set.
D-03809	UAGSRV	z/OS	For task definitions using the New Jobname field, message UAG1044I shows old job name instead of new job name.

D-03811	UAGSRV	z/OS	Throughput improvements for jobs running less than five seconds.
D-03816	UAGSRV	UNIX and Windows	Potential for "Invalid EXECPTH" error when a task definition sets a Runtime Directory value.

Release 5.1.0.15 - April 24, 2013

Change ID	Component	Platform	Description
D-03549	UAGSRV	UNIX	Task cancellation of UNIX task leaves the UNIX process in a defunct state.
D-03697	UAGSRV	UNIX	Task cancellation of UNIX task causes subsequent task to remain in Queued status.
D-03706	UAGSRV	UNIX and Windows	Potential UAG crash when one of two or more active file monitors stop.
D-03713	UAGSRV	UNIX and Windows	An " Exists " FTP file monitor does not detect the file.

Release 5.1.0.14 - March 28, 2013

Change ID	Component	Platform	Description
D-02768	UAGSRV	UNIX	Task triggered multiple times per file monitor when multiple file monitors are monitoring same file.
D-03328	UAGSRV	All	A " Change " file monitor continues to monitor file after file is deleted.
D-03432	UAGSRV	Windows	Memory leak.
D-03552	UAGSRV	z/OS	User credentials for z/OS FTP jobs are not authenticated, potentially resulting in SAF logon error when job is submitted.
D-03554	UAGSRV	z/OS	z/OS FTP job user ID and password are not upper-cased before adding them to JCL JOB statement.
D-03559	UAGSRV	z/OS	Potential message loop resulting from improperly formatted message causing high CPU and IO rates.
D-03615	UAGU83 and UAGSRV	z/OS	Collect SMF type 15 records only if a file monitor is active.
D-03616	UAGU83	z/OS	Stop collecting SMF type 14 records.
D-03630	UAGSRV	AIX	Stack size hard limit value greater then 4194304 causes crash in libc library.
D-03638	UAGSRV	All	Potential invalid memory reference resulting in improperly formatted messages or storage access violations.
D-03639	UAGSRV	All	Potential storage access violation with loglvl set to T (trace).
D-03648	UAGSRV	All	FTP command files are not deleted when FTP session fails.
D-03649	UAGSRV	All	File monitor for change events with scan text stop when scan text is not found upon a change.
D-03660	UAGSRV	Windows	SFTP file monitor fails if the file pattern contains quotation or backslash characters.
D-03667	UAGSRV	Windows	SFTP task fails with permission denied opening the command script when task credentials are used.
D-03671	UAGSRV	Windows	SFTP port not recognized when SFTP password authentication used in SFTP task or monitor .

Release 5.1.0.13 - February 15, 2013

Change ID	Component	Platform	Description
D-03539	UAGSRV	Windows and UNIX	Potential for duplicate tasks started by FTP file monitor if poll interval too short.
D-03573	UAGSRV	UNIX	Agent does not register with a Controller if the NETNAME UAG configuration option is set to OPSAUTOCONF.
D-03582	UAGSRV	Windows and UNIX	Potential memory overrun error when file monitor detects two or more files.
D-03585	UAGSRV	Windows	Very long credential passwords may cause task start failure.

Release 5.1.0.12 - January 28, 2013

Change ID	Component	Platform	Description
D-03441	UAGSRV	z/OS	Enhanced job SYSOUT processing options.
D-03462	UAGSRV	z/OS	Reduce high I/O rate during UAGSRV log data set initialization at start-up.
D-03467	UAGSRV	All	Fix storage access violation due to corrupted message queue.
D-03471	UAGSRV	All	FTP/SFTP file monitor can potentially stop monitoring after several retry attempts.
D-03472	UAGSRV	z/OS	Fix potential SOC2 abend in WMSNLSMF.
D-03475	UAGSRV	z/OS	Fix SOC4 in cbJmeScan referencing deleted JME.
D-03534	UAGSRV	z/OS	JES internal reader ENQ time out.

Release 5.1.0.11 - December 19, 2012

Change ID	Component	Platform	Description
D-03454	UAGSRV	Windows	Potential for Windows task to remain in Running status indefinitely due a UAG thread block.

Release 5.1.0.10 - December 14, 2012

Change ID	Component	Platform	Description
D-02782	UAGSRV	Windows	Fix error creating user process due to mutex time out loading user profile.
D-03332	UAGSRV	Windows	Add option for Windows tasks to run with highest privileges .
B-03346	UAGSRV	z/OS	Improvements in UAG error handling and reporting.
D-03375	UAGSRV	All	File monitor task against an IBM i FTP server results in potential storage access violation.
D-03407	UAGSRV	z/OS	Potential target buffer overflow in UTF-8 conversion module WMSCONV.

D-03408	UAGSRV	Windows and UNIX	File monitor does not wait for stability period when there is a time discrepancy between a network share and the UAG server.
B-03416	UAGSRV	z/OS	Add abbreviated execution UUID value to messages UAG1044I and UAG1045I.
D-03428	UAGSRV	Windows	Windows task executing a script from the Controller script library and passing quoted parameters fails to start.

Release 5.1.0.9 - November 15, 2012

Change ID	Component	Platform	Description
B-01642	UAGSRV	z/OS	Set required IBM Language Environment (LE) options in program.
B-03304	UAGSRV and UAGUJI	z/OS	Add DSN_DELETE_EXCLUDE UAG option to exclude specified data sets from re-run data set delete processing.
B-03306	UAGSRV	z/OS	Change UAG Extended MCS console name to UBROKER SYSTEM_ID value to account for multiple UBROKER STC's running.
D-03322	UAGSRV	z/OS	Remove unnecessary contention on UAG log file lock for trace and debug messages.
D-03323	UAGUJI	z/OS	Re-run after a program name change can potentially list a ddname as deleted in the JCL confirmation list.
D-03333	UAGSRV	All	File monitor variable ops_trigger_file_name_nopath resolves to "complete" when using Microsoft FTP Server.
D-03335	UAGSRV	z/OS	Potential S0C4 ABEND in WsflCompressSqueeze when an error occurs processing the job log.
D-03339	UAGSRV	Windows	Potential failure of Windows task when a script from the Opwise Script Library is missing EOL character sequence on last line.
D-03342	UAGSRV	All	Change transport reconnect logic to retry indefinitely to establish a transport connection.
D-03348	UAGSRV	z/OS	Potential storage overlay when running a z/OS task without credentials .
D-03349	UAGSRV	z/OS	Potential invalid memory reference when launching a z/OS task .
D-03350	UAGSRV	z/OS	Increased UAG agent log data set space allocation to 500 primary and 500 secondary tracks.
D-03356	UAGSRV and UAGUJI	z/OS	Potential for losing track of z/OS job after job launch.

Release 5.1.0.8 - October 18, 2012

Change ID	Component	Platform	Description
B-03239	UAGSRV	Windows	Add ability to retrieve standard output and error of a running Windows task.
D-03306	UAGSRV	z/OS	UAGSRV ends with S906-8 ABEND while loading IGGCSI00 or CUNLCNV.

Release 5.1.0.7 - September 27, 2012

Change ID	Component	Platform	Description
B-03236	UAGSRV	z/OS	z/OS tasks defined without credentials and with a data set JCL reference shall run with the UBROKER STC user ID.
D-03294	UAGUJI	z/OS	z/OS task instances remain in submitted state.
D-03296	UAGSRV	z/OS	z/OS task job launch failure with no error description.
D-03299	UAGUJI	z/OS	A re-run of a job can potentially issue a S0B0-24 ABEND during job initialization when executed in a JES job class defined with SWA=ABOVE.
D-03301	UAGSRV	z/OS	Ensure the UAG model data set (allocated to UBROKER ddname UNVAGMDL) is not shared with other UAG servers.

Release 5.1.0.6 - September 18, 2012

Change ID	Component	Platform	Description
D-03272	UAGSRV	z/OS	Task status set to SUCCESS when job step ends with a S222 ABEND .
D-03274	UAGUJI	z/OS	Job can potentially issue a S0B0-24 ABEND during job initialization when executed in a JES job class defined with SWA=ABOVE.
D-03278	UAGSRV	z/OS	UAGRERUN RC set to 255 when job is canceled while waiting for data set ENQ for data set deletion.
D-03279	UAGUJI	z/OS	Rerun confirmation not required when program name changes for a step without any JCL DD statements.
D-03284	UAGSRV	z/OS	Task Step Conditions processing overrides job JCL error in determining final task status.
D-03285	UAGU84	z/OS	Task Step Conditions processing interprets user ABEND code as integer RC value.
D-03286	UAGSRV and UAGU84	z/OS	Task Step Conditions processing matches FLUSH'ed steps as ending with RC 0. FLUSH'ed steps should not be matched against step condition definitions.
D-03288	UAGU84	z/OS	Task Step Conditions processing for step ABEND's that did not match any step condition did not set final task status to FAILED.

Release 5.1.0.5 - September 13, 2012

Change ID	Component	Platform	Description
B-03069	UAG CLI	All	Add ops-update-resource-limit CLI command.
D-03079	UAGSRV	UNIX	File transfer tasks for the Infitran protocol that specify a Scan Output value always result in a found condition when a UNIX utility agent is used.
D-03099	UAGSRV	UNIX	System monitor task for file space monitor report the incorrect available space if the file system block size and available space is sufficiently large.
D-03102	UAGSRV	z/OS	z/OS task remains in <i>submitted</i> state when task definition JCL reference is a ddname and credentials are wrong.
D-03106	UAGSRV	z/OS	Add error reporting for dynamic allocation and JES spool access functions.
D-03108	UAGSRV	Windows	FTP MGET fails due to not finding the temporary directory.
D-03112	UAGSRV	z/OS	Data set retrieval and email attachments used incorrect EOL character sequence.

D-03116	UAGSRV	Windows	File monitor stable period was calculated 5-7 seconds less then requested.
D-03122	UAGUJI	z/OS	When deleting data sets as part of job initialization, wait for exclusive access to data sets that are in use.
D-03123	UAGSRV	z/OS	Application monitors did not restore the ACEE TCB, and add error reporting to MCS routine.
D-03124	UAGSRV	Windows	File Transfer task for the Infitran protocol cannot read UDM script if utility agent credentials are specified.
D-03128	UAGSRV	z/OS	File monitor scan text never found in variable record format data sets.
D-03131	UAGSRV	All	Remove GMSG configuration option.
D-03134	UAGSRV	Windows	Fix File Monitor sharing violation when file being monitored is open for write access.
D-03141	UAGSRV	z/OS	JES sysout data set remains allocated to SAPI after dynamic allocation error of output data set.
D-03142	UAGSRV	Windows and UNIX	File Monitor for changes with a file name pattern does not detect changes in files created after the file monitor started.
D-03143	UAGSRV	All	Potential No JME error when file monitor triggers an event.
D-03155	UAGSRV	z/OS	Dynamic output data set allocation error due to wrong space allocation unit.
B-03156	UAGCMP	z/OS	Add ERROR condition to UAG component restart conditions.
D-03157	UAGSRV	z/OS	Change output data set allocation unit from SYSDA to SYSALLDA.
D-03164	UAGSRV and UAGUJI	z/OS	Restart of job with multiple steps with the same name incorrectly requires restart confirmation.
D-03171	UAGU83	z/OS	Potential storage leak when processing large SMF records.
D-03173	UAGSRV	z/OS	Enforce a maximum length of 21 characters for the UAG model data set allocated to UBROKER STC ddname UNVAGMDL so that UAG log and output data sets can be properly allocated.
D-03177	UAGSRV	All	Enable TRACE_FILE_LINES UAG option so that application traces work properly.
D-03209	UAGSRV	Windows	Scanning a file for task success criteria fails if the file is a UNC path .
D-03221	UAGSRV	Windows	Ensure proper end-of-line sequence in script files from the Opwise Controller script library .
D-03230	UAGSRV	UNIX	Task instance defined to run as sudo fails to cancel.
D-03233	UAGSRV	Windows	File monitor for UNC path fails if the path references a server in another domain than the credentials.
D-03238	UAGSRV	Windows and UNIX	The utility agent Infitran temporary script files are not deleted when task exit conditions criteria is other than output scan.
D-03241	UAGSRV	Windows	System monitor specifying a UNC path fails unless the share is already open.
D-03249	UAGSRV	z/OS	Resolve the "*"@" parameters defined in a z/OS task in all JCL statements in addition to the instream data streams.
D-03252	UAGSRV and UAGU84	z/OS	Return codes from UNIX System Services steps *OMVSEX are not processed.

Release 5.1.0.4 - July 16, 2012

Change ID	Component	Platform	Description
D-03013	UAGSRV	z/OS	UAG returns bad IP address if host name cannot resolve.
D-03056	UAG	z/OS	Restartable job steps are missing if step does not have any JCL DD statements.
D-03057	UAG	z/OS	Job step not restartable if it has a DD with DISP=(MOD,DELETE,DELETE).

Release 5.1.0.3 - June 29, 2012

Change ID	Component	Platform	Description
B-02962	UAGSRV	Windows	Add support for Windows desktop interaction .
D-02979	UAG	z/OS	Pre-deletion of data sets not working when installed with Zeke SMF exits .
D-03016	UAG	z/OS	GDG data sets not recognized correctly on rerun.
D-03017	UAG	z/OS	Restart confirmation shows wrong ddname as deleted when a concatenated ddname is deleted.

NOTE: Change B-02962 requires a corresponding update to the Opswise Core.

Release 5.1.0.2 - April 26, 2012

Change ID	Component	Platform	Description
D-02867	UAG	z/OS	JCL error IEF452I not detected, leaving task in submitted status.
B-02898	UAG	z/OS	New step condition checking feature.
D-02904	UAG	z/OS	z/OS restart confirmation shows all restartable job steps selected for rerun even when not originally selected.
B-02912	UAG	z/OS	Add ability for OPSRERUN step to end with return code 1 for CA-11 compatibility.
D-02915	UAG	z/OS	Fix SMF exit incompatibility with TWSz installation.
D-02920	UAG	z/OS	Job with JOBLOG shows last ddname as deleted in restart confirmation .
D-02921	UAG	z/OS	FTP task has invalid REPLACE in PUT command.
D-02922	UAG	z/OS	Job failure due to S913 shows job as success even though every step flushes .
D-02925	UAG	z/OS	Launch of z/OS APPL results in start failure due to invalid password.

Release 5.1.0.1 - March 16, 2012

Change ID	Component	Platform	Description
D-02725	UAG	All	Output retrieval with email notification selected results in file not found.

D-02796	UAG	z/OS	Start failure when launching z/OS APPL.
D-02807	UAG	z/OS	S0C4 abend in UAGSRV when Zeke SMF intercept routine is installed.
D-02835	UAG	Windows	Automatic output retrieval with start line 0 produces inconsistent results.
D-02836	UAG	All	Recursive file monitor results in memory leak.
D-02845	UAG	z/OS	Unable to retrieve sysout due to dynamic allocation error.
D-02848	UAG	UNIX	SECURITY UAG option value of NONE with a matching UAG UACL rule specifying NOAUTH results in process creation failure in KrnProcessCreate.
D-02852	UAG	UNIX	High CPU utilization when waiting for task completion.
D-02857	UAG	z/OS	S0C6 abend when starting a job that requires deletion of temporary files to prevent NOT-CATLG 2 errors.
D-02864	UAG	z/OS	Memory leak resulting in S0C4 abend after running large number of tasks.
D-02872	UAG	All	File monitor without trigger results in very large memory allocations.
D-02874	UAG	All	UAG ends abnormally when unrecognizable data is sent to the TCP/IP logging port .
D-02877	UAG	z/OS	Jobs cancelled from Opwise Controller cannot be rerun.
D-02888	UAG	z/OS	UAG may consume up to 100% CPU when remote log viewer client disconnects.

Universal Broker

Release 5.1.0.4 - July 10, 2013

Change ID	Component	Platform	Description
B-03609	UBROKER	z/OS	Add support for IBM spawn interface change introduced with IBM APAR OA41101, which causes UAGSRV and UDMSRV to abend with SEC6-xxxxC04A.

Release 5.1.0.3 - January 28, 2013

Change ID	Component	Platform	Description
D-03478	UBROKER	UNIX	Verify ubroker's real and effective uid values are the same at startup.

Release 5.1.0.2 - December 14, 2012

Change ID	Component	Platform	Description
D-03371	UBROKER	Windows	Categorize unknown server component exit codes into the fatal and error categories for component restart.

Release 5.1.0.1 - June 29, 2012

Change ID	Component	Platform	Description
B-02986	UBROKER	z/OS	Remove run-time check for superuser access to allow for non-superuser configurations.

Universal Command Manager

Release 5.1.0.3 - March 28, 2013

Change ID	Component	Platform	Description
B-03473	UCMD	All	Add connect retry capability for initial TCP/IP connections with the Broker.

Release 5.1.0.2 - January 28, 2013

Change ID	Component	Platform	Description
B-03451	UCMD	All	Add UCMD Manager option to request Windows user account privilege elevation .

Release 5.1.0.1 - September 13, 2012

Change ID	Component	Platform	Description
B-03141	UCMD	z/OS	Remove requirement for user certificate when using IBM System SSL .

Universal Command Server

Release 5.1.0.5 - April 24, 2013

Change ID	Component	Platform	Description
D-03709	UCMSRV	AIX	User ulimits are set for when LOGIN option is NO.

Release 5.1.0.4 - March 28, 2013

Change ID	Component	Platform	Description
D-03630	UCMSRV	AIX	Stack size hard limit value greater than 4194304 causes crash in libc library.

Release 5.1.0.3 - January 28, 2013

Change ID	Component	Platform	Description
B-03451	UCMSRV	Windows	Add support for user account privilege elevation for Windows.

Release 5.1.0.2 - December 14, 2012

Change ID	Component	Platform	Description
D-03377	UCMSRV	Windows	Increase buffer size of stdio pipes between UCMSRV and user process.
D-03428	UCMSRV	Windows	Executing a script with the UCMD Manager <code>SCRIPT_FILE</code> option and passing quoted parameters fails to start the user process.

Release 5.1.0.1 - June 29, 2012

Change ID	Component	Platform	Description
B-02986	UCMSRV	z/OS	Remove run-time check for superuser access to allow for non-superuser configurations.

Universal Connector

Release 5.1.0.3 - February 15, 2013

Change ID	Component	Platform	Description
B-03553	USAP	All	ABAP step keyword PRUNX missing from USAP generated job definition output.

Release 5.1.0.2 - January 28, 2013

Change ID	Component	Platform	Description
B-03303	USAP	Windows	Turn off stdout and stderr buffering for Opwise Controller real-time output retrieval.

Release 5.1.0.1 - June 29, 2012

Change ID	Component	Platform	Description
B-02958	USAP	Linux	Add USAP support for the Linux x86, x64, ia64, system z platforms.
B-02959	USAP	Windows	Add USAP support for the Microsoft Windows platforms.
B-02960	USAP	All	Add support for SAP Business Warehouse.
B-02961	USAP	All	Add support for type B (load balancing) RFC connections via the command line (no SAPRFC file).

B-02975	USAP	All	Add <code>RAW_SPOOL</code> option to return spool lists in either raw or plain format.
D-02981	USAP	All	Fix 5.1.0 <code>Modify Variant</code> command using XBP 3.0 API resetting variant parameters that were not explicitly being set.
D-03014	USAP	All	Fix print parameters not being handled correctly for Add and Modify <code>ABAP</code> steps.
D-03019	USAP	UNIX	Fix USAP <code>ibm1141.utt</code> not found error when options <code>-appllog</code> , <code>-useapprc</code> , <code>-printapprc</code> are set to YES.

Universal Control

Release 5.1.0.1 - September 13, 2012

Change ID	Component	Platform	Description
B-03141	UCTL	z/OS	Remove requirement for <code>user certificate</code> when using IBM System SSL.

Universal Data Mover

Release 5.1.0.5 - April 3, 2014

Change ID	Component	Platform	Description
D-04050	UDM	z/OS	Copying relative [GDG 0 copies all <code>generation data sets</code> .
D-04335	UDM	z/OS HFS and UNIX	<code>COPY</code> command return code set to 0 when the source file does not exist.

Release 5.1.0.4 - September 16, 2013

Change ID	Component	Platform	Description
D-03699	UDM	All	A failed transactional <code>COPY</code> does not remove the temporary transaction file if the <code>COPY</code> fails.
D-03782	UDM	All	A text mode <code>COPY</code> with a source code page of UTF-8 enters a network reconnect loop if the source file contains invalid UTF-8 characters, and eventually the UDM manager ends with return code 0.
B-03817	UDM	All	Add support for RFC 1323, "TCP Extensions for High Performance."
D-03853	UDM	z/OS	<code>FORFILES</code> on non-existent PDS/E, non-existent member, or relative GDG incorrectly performs a successful loop iteration.
D-03855	UDM	UNIX and z/OS USS	Transactional <code>COPY</code> command replacing an existing file did not keep original file permissions.
D-03903	UDM	All	UDM <code>EXEC</code> command uses excessive CPU while command is executing.
D-03920	UDM	z/OS	XPSDSCB1 error reading data set on Extended Address Volume (EAV).

Release 5.1.0.3 - September 13, 2012

Change ID	Component	Platform	Description
B-03141	UDM	z/OS	Remove requirement for user certificate when using IBM System SSL.
D-03206	UDMSRV	All	A UDMSRV configured with SECURITY NONE ends with error message UNV2900E when the UDM manager does not provide credentials.

Release 5.1.0.1 - June 29, 2012

Change ID	Component	Platform	Description
D-02982	UDM and UDMSRV	z/OS	Fix problem with not mounting tape data sets , not allocating relative generation data sets , and allocating invalid data set names , all ending with return code 0.
D-02983	UDM and UDMSRV	z/OS	Fix problem with MB allocation unit of source data set not being propagated correctly to destination for use in allocation of destination data set resulting in a S213-78 ABEND.
B-02986	UDMSRV	z/OS	Remove run-time check for superuser access to allow for non-superuser configurations.

Universal Event Monitor

Release 5.1.0.3 - September 16, 2013

Change ID	Component	Platform	Description
D-03889	UEM	UNIX	UEM handler ends abnormally with SIGABRT when security is disabled.

Release 5.1.0.2 - July 10, 2013

Change ID	Component	Platform	Description
D-02741	UEM	Windows	UEM server crash when monitoring for a file using LOGIN option value YES.

Release 5.1.0.1 - June 29, 2012

Change ID	Component	Platform	Description
D-02994	UEM	z/OS	Fix problem where z/OS system symbol option prefix character (plus sign) is being incorrectly interpreted when used as part of an option value, such as <code>-inact_date_time +001</code> , resulting in an invalid value error.

Universal Command Agent for SOA

Release 5.1.0.1 - February 22, 2013

Change ID	Component	Platform	Description
B-01767	UAC	Windows and UNIX	Add SOAP payload support for fully specified SOAP Envelope.

Universal Command 2.1.1 for HP NonStop

Release 2.1.1.4 - July 10, 2013

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

Release 2.1.1.3 - September 3, 2008

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

Release 2.1.1.2 - January 23, 2004

Change ID	Component	Platform	Description
CR01135	UCMSRV	HP NonStop	Certain errors, such as OBEY file not found, were not properly detected and resulted in exit code 0.
CR01137	UCOPY	HP NonStop	UCOPY always created files with file code 180. UCOPY is now capable of creating Guardian EDIT files as well as C files (180).
DF01060	UBROKER	HP NonStop	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	UBROKER	HP NonStop	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	UCMSRV	HP NonStop	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	UBROKER	HP NonStop	The broker unv.log file does not roll over to the next generation.

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Change ID	Component	Platform	Description
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DF01000	UCMSRV	HP NonStop	<p>Standard input redirection was enabled.</p> <p>Changed the UCOPY program from a Guardian program to an OSS program to prevent gtacl from manipulating the data transferred in binary mode.</p> <p>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).</p>
CR01023	UCMSRV	HP NonStop	<p>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).</p>
DF01027	UBROKER	HP NonStop	<p>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.</p>