



Universal Products Maintenance

Universal Products
Version 3.2.0

Document Name	Universal Products 3.2.0 Maintenance
Document ID	unv-maintenance-32018
Products	Universal Products 3.2.0

Copyright © 2010 by Stonebranch, Inc.

This document contains proprietary information that is protected by copyright. All rights reserved. No part of this publication may be reproduced, transmitted or translated in any form or language or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission, in writing, from the publisher. Requests for permission to make copies of any part of this publication should be mailed to:

Stonebranch, Inc.
950 North Point Parkway, Suite 200
Alpharetta, GA 30005 USA
Tel: (678) 366-7887
Fax: (678) 366-7887

Stonebranch, Inc.® makes no warranty, express or implied, of any kind whatsoever, including any warranty of merchantability or fitness for a particular purpose or use

The information in this documentation is subject to change without notice.

Stonebranch shall not be liable for any errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this document.

All products mentioned herein are or may be trademarks of their respective owners.



Contents

Contents	3
Introduction	7
Change Identifiers.....	7
Product Packaging	8
Versioning.....	8
Packaging Methods	9
z/OS	9
Windows.....	9
UNIX.....	10
OS/400	10
HP NonStop.....	10
Package Maintenance Levels	11
Universal Products.....	12
Universal Products for SOA	12
Universal Enterprise Controller for Windows.....	13
Universal Enterprise Controller Client Applications for Windows.....	13
z/OS	14
Universal Products 3.2.0 Level 9	14
Universal Products 3.2.0 Level 7	15
Universal Products 3.2.0 Level 5	16
Universal Products 3.2.0 Level 3	17
Universal Products 3.2.0 Level 1	18
Universal Products 3.2.0 Level 0	20
Windows	21
Universal Products 3.2.0 Level 10	21
Universal Products 3.2.0 Level 8	21
Universal Products 3.2.0 Level 6	22
Universal Products 3.2.0 Level 3	22
Universal Products 3.2.0 Level 1	23
Universal Products 3.2.0 Level 0	23
Universal Enterprise Controller 3.2.0 Level 4.....	24
Universal Enterprise Controller 3.2.0 Level 1	24
Universal Enterprise Controller 3.2.0 Level 0.....	24

Universal Enterprise Controller Client Applications 3.2.0 Level 4	24
Universal Enterprise Controller Client Applications 3.2.0 Level 2	25
Universal Enterprise Controller Client Applications 3.2.0 Level 1	25
Universal Enterprise Controller Client Applications 3.2.0 Level 0	25
Universal Products for SOA 3.2.0 Level 4	26
Universal Products for SOA 3.2.0 Level 2	26
Universal Products for SOA 3.2.0 Level 0	26
UNIX	27
Universal Products 3.2.0 Level 8	27
Universal Products 3.2.0 Level 7	28
Universal Products 3.2.0 Level 3	28
Universal Products 3.2.0 Level 2	29
Universal Products 3.2.0 Level 1	29
Universal Products 3.2.0 Level 0	30
Universal Products for SOA 3.2.0 Level 4	30
Universal Products for SOA 3.2.0 Level 3	30
Universal Products for SOA 3.2.0 Level 2	31
Universal Products for SOA 3.2.0 Level 0	31
OS/400	32
Universal Products 3.2.0 Level 1	32
Universal Products 3.1.1 Level 18	32
Universal Products 3.1.1 Level 17	33
Universal Products 3.1.1 Level 10	33
HP NonStop	34
Universal Command 2.1.1 Level 3	34
Universal Command 2.1.1 Level 2	34
Universal Command 2.1.1 Level 1	34
Universal Command 2.1.1 Level 0	34
Product Maintenance Levels	35
Universal Command 3.2.0	36
Level 4	36
Level 3	36
Level 2	37
Level 1	37
Universal Data Mover 3.2.0	38
Level 7	38
Level 6	38
Level 5	39
Level 4	40

Level 3.....	40
Level 2.....	42
Level 1.....	42
Universal Enterprise Controller 3.2.0	43
Level 4.....	43
Level 3.....	46
Level 2.....	47
Level 1.....	47
Universal Event Monitor 3.2.0	49
Level 2.....	49
Level 1.....	49
Universal Connector 3.2.0	50
Level 2.....	50
Level 1.....	51
Universal Certificate 3.2.0.....	53
Level 1.....	53
Universal Encrypt 3.2.0.....	54
Level 1.....	54
Universal Database Utilities 3.2.0	55
Level 3.....	55
Level 2.....	55
Universal Control 3.2.0	56
Level 2.....	56
Level 1.....	56
Universal Broker 3.2.0	57
Level 7.....	57
Level 6.....	57
Level 5.....	58
Level 4.....	58
Level 2.....	59
Level 1.....	59
Universal Products for SOA 3.2.0	60
Level 4.....	60
Level 3.....	61
Level 2.....	61
Level 1.....	61
Universal Command 3.1.1 for OS/400	62
Level 11.....	62
Universal Data Mover 3.1.1 for OS/400	63

Contents

Level 10.....	63
Universal Encrypt 3.1.1 for OS/400.....	64
Universal Broker 3.1.1 for OS/400	65
Universal Command 2.1.1 for HP NonStop.....	66
Level 3.....	66
Level 2.....	66
Level 1.....	67
Documentation	68
Universal Products 3.2.0 Level 10	68

Introduction

Universal Products 3.2.0 consists of a family of products that address distributed systems management and automation. The product family supports a large variety of operating systems and hardware.

This document describes product packages available for each platform and lists changes made to the packages and to the products for each maintenance level made generally available.

This document replaces the Consolidated Fix List used previously. For previous product versions, the Consolidated Fix Lists are still available on the Stonebranch web site in the Customer area.

Change Identifiers

All package and product changes are identified with a unique identifier. Stonebranch used an issue tracking system that formatted identifiers as DF01234 or CR01234, where DF indicated a defect and CR indicated a change request. As of February 27, 2006, Stonebranch changed to a different issue tracking system. As a result, change identifier formats changed as well. Change identifiers are now formatted as CCC-NNN, where CCC is a component identifier to which the change applies, and NNN is numeric value unique to that component.

Product Packaging

As of Version 3.1.0, Universal Products are bundled together into a single distributed unit referred to as a Universal Products Package, concisely referred to as a package in this document.

Versioning

A package is uniquely identified with a version, release, modification level, and maintenance level.

For example, for Universal Products 3.2.0.2:

- 3 = Version 3
- 2 = Release 2
- 0 = Modification Level 0
- 2 = Maintenance Level 2

Similarly, each product within the package is uniquely identified with its own independent version, release, modification level, and maintenance level.

For example, for Universal Command 3.2.0.1:

- 3 = Version 3
- 2 = Release 2
- 0 = Modification Level 0
- 1 = Maintenance Level 1

A product maintenance level is incremented when product changes, perhaps to correct a defect or add an enhancement, are added to the product. A package maintenance level is incremented when a product within the package changes. For example, when a new maintenance level of one or more products included in a package is incremented, a new package is released with an incremented maintenance level that includes the new product maintenance levels.

Package maintenance levels do not necessarily apply across all platforms. For example, Universal Products for z/OS and UNIX could be at maintenance level 3.2.0.2, but Universal Products for Windows could be at 3.2.0.1.

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.

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 Universal Products package on its supported platforms.

z/OS

The Universal Products package is an SMP/E install consisting of multiple FMIDs. The package is composed of a set of FMIDs for MVS components and a set of FMIDs for UNIX System Services (USS) components. The MVS components are required and the USS components are optional.

Maintenance is packaged as a cumulative PTF file containing all available product PTFs for all products within the Universal Products package.

Windows

All packages are created with the InstallShield Windows packaging tool. The package is installed with Microsoft's Windows Installer (extension .msi).

On the Microsoft Windows platforms, there are four packages available:

1. Universal Products package includes all products except Universal Enterprise Controller server and clients.
2. Universal Enterprise Controller server package.
3. Universal Enterprise Controller clients package.
4. Universal Products for SOA.

Product maintenance is packaged as an updated Windows Installer installation package. The installation process upgrades the current install to the latest product maintenance level.

UNIX

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.

On the UNIX platforms, there are two packages available:

1. Universal Products package.
2. Universal Products for SOA.

Packaging formats are as follows:

- AIX is packaged in a backup file format (extension `.bff`) and installed with the AIX `installp` command.
- Sun Solaris is packaged in a Sun software package format and installed with the Sun `pkgadd` command.
- HP-UX is packaged in a HP depot format and installed with the HP `swinstall` command.
- Linux is packaged in a RPM format and installed with the Linux `rpm` command.
- All other UNIX varieties are packaged as compressed tar files and installed with the Stonebranch UNIX installation scripts.

Product maintenance is packaged as an updated installation package. The installation process upgrades the current installation to the latest product maintenance level.

OS/400

The package is an OS/400 Licensed Program and installed with the OS/400 `RSTLICPGM` command. By default, all product and dependent product identifiers are installed.

Maintenance is packaged as a cumulative PTF file containing all available product PTFs.

HP NonStop

On the HP NonStop platform, Universal Command 2.1.1 product is packaged by itself. No other products are included in the distribution file.

The package is installed with a Stonebranch OBEY file.

Product maintenance is packaged as an updated installation package. The installation process upgrades the current install to the latest product maintenance level.

Package Maintenance Levels

This section lists the product levels included in the Universal Products 3.2.0 packages for each platform:

- [z/OS](#)
- [Windows](#)
- [UNIX](#)
- [OS/400](#)
- [HP NonStop](#)

Each Universal Products 3.2.0 package is made available for one or more platforms.

The following tables identify all Universal Products 3.2.0 packages and the platforms for which each package was made available.

Universal Products

Universal Products	z/OS	Windows	UNIX	OS/400	HP NonStop ²
3.2.0.10		√			
3.2.0.9	√				
3.2.0.8		√	√		
3.2.0.7	√		√		
3.2.0.6		√			
3.2.0.5	√				
3.2.0.3	√	√	√		
3.2.0.2			√ ¹		
3.2.0.1	√	√	√	√	
3.2.0.0	√	√	√		
<p>1 HP-UX and Linux systems only.</p> <p>2 Current release of Universal Products for HP NonStop is 2.1.1.3.</p>					

Universal Products for SOA

Universal Products for SOA	z/OS	Windows	UNIX	OS/400	HP NonStop
3.2.0.4		√	√		
3.2.0.3			√ ²		
3.2.0.2		√	√		
3.2.0.0 ¹		√	√		
<p>1 Universal Command Agent for SOA only.</p> <p>2 AIX system only.</p>					

Universal Enterprise Controller for Windows

Universal Enterprise Controller	z/OS ¹	Windows	UNIX	OS/400	HP NonStop
3.2.0.4		√			
3.2.0.1		√			
3.2.0.0		√			

1 On z/OS, Universal Enterprise Controller is a component of the Universal Products package.

Universal Enterprise Controller Client Applications for Windows

Universal Enterprise Controller	z/OS	Windows	UNIX	OS/400	HP NonStop
3.2.0.4		√			
3.2.0.2		√			
3.2.0.1		√			
3.2.0.0		√			

z/OS

Universal Products 3.2.0 Level 9

Released November 2, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 6
Universal Certificate	3.2.0 Level 0
Universal Command Manager	3.2.0 Level 4
Universal Command Server	3.2.0 Level 4
Universal Connector	3.2.0 Level 2
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 3
Universal Data Mover	3.2.0 Level 6
Universal Encrypt	3.2.0 Level 0
Universal Enterprise Controller	3.2.0 Level 4
Universal Event Monitor Manager	3.2.0 Level 2

Universal Products 3.2.0 Level 7

Released June 2, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 5
Universal Certificate	3.2.0 Level 0
Universal Command Manager	3.2.0 Level 1
Universal Command Server	3.2.0 Level 3
Universal Connector	3.2.0 Level 1
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 2
Universal Data Mover	3.2.0 Level 5
Universal Encrypt	3.2.0 Level 0
Universal Enterprise Controller	3.2.0 Level 3
Universal Event Monitor Manager	3.2.0 Level 0

Universal Products 3.2.0 Level 5

Released April 27, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 5
Universal Certificate	3.2.0 Level 0
Universal Command Manager	3.2.0 Level 1
Universal Command Server	3.2.0 Level 3
Universal Connector	3.2.0 Level 1
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 2
Universal Data Mover	3.2.0 Level 3
Universal Encrypt	3.2.0 Level 0
Universal Enterprise Controller	3.2.0 Level 3
Universal Event Monitor Manager	3.2.0 Level 0

Universal Products 3.2.0 Level 3

Released April 1, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 4
Universal Certificate	3.2.0 Level 0
Universal Command Manager	3.2.0 Level 1
Universal Command Server	3.2.0 Level 3
Universal Connector	3.2.0 Level 1
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 3
Universal Encrypt	3.2.0 Level 0
Universal Enterprise Controller	3.2.0 Level 1
Universal Event Monitor Manager	3.2.0 Level 0

Universal Products 3.2.0 Level 1

Released September 5, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 1
Universal Certificate	3.2.0 Level 0
Universal Command	3.2.0 Level 1
Universal Connector	3.2.0 Level 0
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 1
Universal Encrypt	3.2.0 Level 0
Universal Enterprise Controller	3.2.0 Level 1
Universal Event Monitor Manager	3.2.0 Level 0

This package includes the following package installation changes:

Change ID	Component	Platform	Description
UPI-588	z/OS SMP/E Installation	z/OS USS	The SMP/E distribution library AUNVHBN was incorrectly allocated with record format undefined in the 3.2.0.0 package. A new distribution library AUNVHBN2 must be allocated and a DDDEF defined. PTF PU42001 has an SMP/E HOLD with instructions on how to allocate and define the DDDEF for AUNVHBN2.
UPI-589	z/OS SMP/E Installation	z/OS	SE37 ABEND occurs on the SMPWRK6 ddname in the UNVSMPE JCL procedure during APPLY processing. PTF PU35001 has an SMP/E HOLD with instructions on modifying the UNVSMPE JCL procedure to avoid the SE37 ABEND.
UPI-590	z/OS SMP/E Installation	z/OS USS	The maintenance JCL members UNVMTRCV, UNVMTAPL and UNVMTACC in the INSTALL library do not specify the six USS FMIDs to be received, applied and accepted. The list of FMIDs specified in the FORFMID parameter in each job needs to have the following USS FMIDs included: UUNV320, UUBR320, UUCM320, UUDM320, UUEM320, and UUTL320. An example of the FORFMID parameter with a complete list of z/OS and USS FMIDs follows: <pre>FORFMID (TUNV320, TUTL320, TUBR320, TUCM320, TUEC320, TUDM320, TUXD320, TUSD320, TUSP320, TUEM320, UUNV320, UUBR320, UUCM320, UUDM320, UUEM320, UUTL320)</pre>

Universal Products 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 0
Universal Certificate	3.2.0 Level 0
Universal Command	3.2.0 Level 0
Universal Connector	3.2.0 Level 0
Universal Control	3.2.0 Level 0
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 0
Universal Encrypt	3.2.0 Level 0
Universal Enterprise Controller	3.2.0 Level 0
Universal Event Monitor Manager	3.2.0 Level 0

Windows

Universal Products 3.2.0 Level 10

Released October 18, 2010

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 7
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 4
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 3
Universal Data Mover	3.2.0 Level 7
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 2

Universal Products 3.2.0 Level 8

Released September 8, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 6
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 4
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 3
Universal Data Mover	3.2.0 Level 6
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 2

Universal Products 3.2.0 Level 6

Released May 20, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 4
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 3
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 4
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 1

Universal Products 3.2.0 Level 3

Released April 1, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 4
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 3
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 3
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 1

Universal Products 3.2.0 Level 1

Released September 5, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 1
Universal Certificate	3.2.0 Level 0
Universal Command	3.2.0 Level 1
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 1
Universal Encrypt	3.2.0 Level 0
Universal Event Monitor	3.2.0 Level 0

Universal Products 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 0
Universal Certificate	3.2.0 Level 0
Universal Command	3.2.0 Level 0
Universal Control	3.2.0 Level 0
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 0
Universal Encrypt	3.2.0 Level 0
Universal Event Monitor	3.2.0 Level 0

Universal Enterprise Controller 3.2.0 Level 4

Released November 2, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Enterprise Controller	3.2.0 Level 4

Universal Enterprise Controller 3.2.0 Level 1

Released September 5, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Enterprise Controller	3.2.0 Level 1

Universal Enterprise Controller 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Enterprise Controller	3.2.0 Level 0

Universal Enterprise Controller Client Applications 3.2.0 Level 4

Released November 2, 2009

This package includes the following product levels:

Product Name	Product Release and Level
UEC Activity Monitor	3.2.0 Level 4
UEC Administration	3.2.0 Level 4
UEC Management Console	3.2.0 Level 4

Universal Enterprise Controller Client Applications 3.2.0 Level 2

Released November 7, 2008

This package includes the following product levels:

Product Name	Product Release and Level
UEC Activity Monitor	3.2.0 Level 1
UEC Administration	3.2.0 Level 2
UEC Management Console	3.2.0 Level 1

Universal Enterprise Controller Client Applications 3.2.0 Level 1

Released September 5, 2008

This package includes the following product levels:

Product Name	Product Release and Level
UEC Activity Monitor	3.2.0 Level 1
UEC Administration	3.2.0 Level 1
UEC Management Console	3.2.0 Level 1

Universal Enterprise Controller Client Applications 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
UEC Activity Monitor	3.2.0 Level 0
UEC Administration	3.2.0 Level 0
UEC Management Console	3.2.0 Level 0

Universal Products for SOA 3.2.0 Level 4

Released October 30, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Products for SOA	3.2.0 Level 4

Universal Products for SOA 3.2.0 Level 2

Released December 17, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Products for SOA	3.2.0 Level 2

Universal Products for SOA 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command Agent for SOA	3.2.0 Level 0

UNIX

Universal Products 3.2.0 Level 8

Released September 8, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 6
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 4
Universal Connector	3.2.0 Level 2
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 3
Universal Data Mover	3.2.0 Level 6
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 2

Universal Products 3.2.0 Level 7

Released June 2, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 4
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 3
Universal Connector	3.2.0 Level 1
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 1
Universal Data Mover	3.2.0 Level 5
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 1

Universal Products 3.2.0 Level 3

Released April 1, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 4
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 3
Universal Connector	3.2.0 Level 1
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 1
Universal Data Mover	3.2.0 Level 3
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 1

Universal Products 3.2.0 Level 2

Released October 17, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 2
Universal Certificate	3.2.0 Level 1
Universal Command	3.2.0 Level 2
Universal Connector	3.2.0 Level 0
Universal Control	3.2.0 Level 2
Universal Database Utilities	3.2.0 Level 1
Universal Data Mover	3.2.0 Level 2
Universal Encrypt	3.2.0 Level 1
Universal Event Monitor	3.2.0 Level 1

Universal Products 3.2.0 Level 1

Released September 5, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 1
Universal Certificate	3.2.0 Level 0
Universal Command	3.2.0 Level 1
Universal Connector	3.2.0 Level 0
Universal Control	3.2.0 Level 1
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 1
Universal Encrypt	3.2.0 Level 0
Universal Event Monitor	3.2.0 Level 0

Universal Products 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Broker	3.2.0 Level 0
Universal Certificate	3.2.0 Level 0
Universal Command	3.2.0 Level 0
Universal Connector	3.2.0 Level 0
Universal Control	3.2.0 Level 0
Universal Database Utilities	3.2.0 Level 0
Universal Data Mover	3.2.0 Level 0
Universal Encrypt	3.2.0 Level 0
Universal Event Monitor	3.2.0 Level 0

Universal Products for SOA 3.2.0 Level 4

Released October 30, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Products for SOA	3.2.0 Level 4

Universal Products for SOA 3.2.0 Level 3

Released March 25, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Products for SOA	3.2.0 Level 3

Universal Products for SOA 3.2.0 Level 2

Released December 17, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Products for SOA	3.2.0 Level 2

Universal Products for SOA 3.2.0 Level 0

Released May 16, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command Agent for SOA	3.2.0 Level 0

OS/400

Universal Products 3.2.0 Level 1

Released July 29, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	3.2.0 Level 1
Universal Data Mover	3.2.0 Level 1
Universal Encrypt	3.2.0 Level 1
Universal Broker	3.2.0 Level 1

Universal Products 3.1.1 Level 18

Released May 1, 2009

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	3.1.1 Level 11
Universal Data Mover	3.1.1 Level 10
Universal Encrypt	3.1.1 Level 5
Universal Broker	3.1.1 Level 7

Universal Products 3.1.1 Level 17

Released June 6, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	3.1.1 Level 11
Universal Data Mover	3.1.1 Level 6
Universal Encrypt	3.1.1 Level 5
Universal Broker	3.1.1 Level 7

Universal Products 3.1.1 Level 10

Released December 15, 2006

This is the first 3.1.1 release for the OS/400 platform.

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	3.1.1 Level 6
Universal Data Mover	3.1.1 Level 6
Universal Encrypt	3.1.1 Level 5
Universal Broker	3.1.1 Level 7

HP NonStop

Universal Command 2.1.1 Level 3

Released September 3, 2008

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	2.1.1 Level 3

Universal Command 2.1.1 Level 2

Released January 23, 2004

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	2.1.1 Level 2

Universal Command 2.1.1 Level 1

Released September 30, 2003

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	2.1.1 Level 1

Universal Command 2.1.1 Level 0

Released July 7, 2003

This package includes the following product levels:

Product Name	Product Release and Level
Universal Command	2.1.1 Level 0

Product Maintenance Levels

This section lists the changes included in product maintenance levels for each platform on which the product is made available.

- [Universal Command 3.2.0](#)
- [Universal Data Mover 3.2.0](#)
- [Universal Enterprise Controller 3.2.0](#)
- [Universal Event Monitor 3.2.0](#)
- [Universal Connector 3.2.0](#)
- [Universal Certificate 3.2.0](#)
- [Universal Encrypt 3.2.0](#)
- [Universal Database Utilities 3.2.0](#)
- [Universal Control 3.2.0](#)
- [Universal Broker 3.2.0](#)
- [Universal Products for SOA 3.2.0](#)
- [Universal Command 3.1.1 for OS/400](#)
- [Universal Data Mover 3.1.1 for OS/400](#)
- [Universal Encrypt 3.1.1 for OS/400](#)
- [Universal Broker 3.1.1 for OS/400](#)
- [Universal Command 2.1.1 for HP NonStop](#)

The following information is identified for each change:

- **Change ID** Stonebranch tracking system ID used to identify changes (see [Change Identifiers](#)).
- **Component** Component(s) of the Universal Product for which the change was made.
- **Platform** Platform(s) on which the change is implemented.
- **Description** Description of the change.

Universal Command 3.2.0

Level 4

Released September 8, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCM-554	UCMD Manager and Server	All	Added UTF-8 code page support for standard I/O files.
UCM-1028	UCMD Manager	All	Potential storage access violation when using a default cipher of NULL-NULL (no SSL) with network fault tolerance and a manager reconnects to the server after a network fault.
UCM-1031	UCMD Manager	All	The SSL cipher suite used in the originally established session may not be preserved after a network fault tolerant manager re-establishes the session after a network fault.

Level 3

Released April 1, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCM-996	UCMD Manager and Server	All, z/OS Server only	Fix potential UNV3355E error processing COMPONENT_RESTART_COMPLETE message due to an unknown component identifier.

Level 2

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCM-851	UCMD Server	HP-UX	Add PAM support.
UCM-993	UCMD Manager and Server	Linux Itanium	Add Linux Itanium support.
UCM-996	UCMD Manager and Server	Linux Itanium and HP-UX	Fix potential UNV3355E error processing COMPONENT_RESTART_COMPLETE message due to an unknown component identifier.

Level 1

Released September 5, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCM-978	UCMD Manager	z/OS and UNIX	Change generated command ID's random value field from 1 to 8 characters. z/OS PTF: PU30001 z/OS USS PTF: PU39002
UCM-981	UCMD Manager	All	Negative remote user process exit codes were incorrectly reported as the modulus of the maximum exit code allowed on the UCMD manager O/S. This fix forces the manager exit code to the O/S maximum value. z/OS PTF: PU30001 z/OS USS PTF: PU39002
UCM-990	UCMD Server	All	Add support for new component stop protocol with the Broker. z/OS PTF: PU30002

Universal Data Mover 3.2.0

Level 7

Released October 18, 2010

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
D-01645	UDM Manager	Windows	Fixed a potential storage access violation (exception 0xC0000005) caused by a corrupted script variable data structure on the heap.
D-01668	UDM Manager and Server	Windows	Fixed intermittent hangs in UDM manager and server.

Level 6

Released September 8, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-406	UDM Manager and Server	z/OS	Added support for space units M, K, and B as source attributes and allocation attributes.
UDM-940	UDM Server	Windows	Added support for Window batch logons.
UDM-1054	UDM Manager	UNIX and Windows	Prevent keep-alive interval from elapsing in an interactive session.
UDM-1146	UDM Manager	All	Time out of local broker session would cause interactive UDM manager to hang.
UDM-1147	UDM Manager	All	UDM managers not using SSL that re-establish a failed network session result in a network time out error.
UDM-1182	UDM Manager and Server	All	Potential storage access violation when proxy certificates are used in a three-party transfer.
UDM-1242	UDM Manager	z/OS	Formatting error in message UNV0118E. Message ID 40092 was not found.
UDM-1243	UDM Manager	All	Potential storage access violation when STDOUT and STDERR parameters are not specified on the EXEC statement.

Change ID	Component	Platform	Description
UDM-1244	UDM Manager	z/OS	SSL implementation option value is not printed as part of the UDM manager audit messages.
UDM-1225	UDM Manager	All	Add support for quoted parameters to include spaces in the EXECOPT parameter of the EXEC command.
UDM-1246	UDM Manager and Server	All	Add support for file date variables in the FORFILES loop.
UDM-1247	UDM Manager and Server	All	The _lastmsg variable may not contain an error message when the OPEN command fails.
UDM-1273	UDM Manager and Server	All	Add UTF-8 code page support for data transfers.
UDM-1274	UDM Manager and Server	All	Potential for a line with only a space character to be dropped when copied in text mode with wrap and trim options.
UDM-1279	UDM Manager and Server	All	The SSL cipher suite used in the originally established session may not be preserved after a network fault tolerant manager re-establishes the session after a network fault.
UDM-1282	UDM Manager and Server	z/OS	Using the MOVE command on a PDS member does not delete the source member.
UDM-1302	UDM Manager	All	UDM 3.2.0.5 changed the content of some UDM script messages, such as the COPY command message. The previous message content has been reinstated.
UDM-1303	UDM Manager	All	UDM manager ends with error return code after successfully reconnecting when OPEN_RETRY was used.

Level 5

Released June 2, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-1287	UDM Manager and Server	z/OS and UNIX	User environment is not setup when a matching UDM_ACCESS UACL rule specifies NOAUTH.

Level 4

Released May 20, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-1280	UDM Manager and Server	Windows	Enhanced the MOVE command to be an atomic operation.

Level 3

Released April 1, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-0250	UDM Manager	All	Add support for MOVE command.
UDM-0538	UDM Manager	All	Add SAVEDATA script command.
UDM-0582	UDM Manager	All	Misspelling in OPEN command help text.
UDM-1134	UDM Manager	All	Timeout for establishing local broker communication sessions changed from 30 to 300 seconds.
UDM-1156	UDM Manager	All	Misspelling in CALLSUB processing message.
UDM-1157	UDM Manager	All	Add support for escaping quotation characters in the EXEC command's EXECOPT parameter.
UDM-1165	UDM Server	Windows	Trace directory validation fails with ACCESS_DENIED causing UDM server to terminate.
UDM-1184	UDM Manager and Server	Windows	FORFILES command fails when a file name that does not exist is specified.
UDM-1185	UDM Manager	All	FORFILES command nested in IF statement can potentially fail with message UNV4054E.
UDM-1199	UDM Manager	z/OS	Potential S0C4 ABEND when using IBM System SSL and activity monitoring is turned on.
UDM-1202	UDM Manager	All	Add _uuid built-in script variable to generate UUID values.
UDM-1206	UDM Manager	Windows	Performance enhancements in UDM script processing.

Change ID	Component	Platform	Description
UDM-1207	UDM Manager and Server	All	Add support for custom logging to UDM script language.
UDM-1208	UDM Manager	All	Add support to the EXEC script command to store standard output and error to script data elements.
UDM-1209	UDM Manager and Server	UNIX and Windows	Add support for file size attribute to the FORFILES command _FILE variable.
UDM-1210	UDM Manager and Server	All	Add support for creation and modification date and time attributes to the FORFILES command _FILE variable.
UDM-1211	UDM Manager	All	Add support for sorting the list of files produced by the FORFILES script command using the FORFILES SORTBY parameter.
UDM-1212	UDM Manager and Server	UNIX and Windows	Add support to the COPY command to preserve the source file's modification date and time in the destination file.
UDM-1215	UDM Manager	z/OS	Message ID 2556 not found when SAF_KEY_RING option is not set when using IBM System SSL.
UDM-1216	UDM Manager	z/OS	SSL implementation configuration option was not printed when message level was set to AUDIT.
UDM-1217	UDM Manager	All	Add APPENDDATA script command.
UDM-1218	UDM Manager	All	Add _lastmsg script data element to contain messages of the last session- or file-related commands.
UDM-1221	UDM Manager	All	Add OPENLOG, ECHOLOG, LOGDATA, and CLOSELOG script commands.
UDM-1228	UDM Manager and Server	All	Performance enhancements in UDM data transfer rates.
UDM-1230	UDM Manager and Server	All	Errors renaming or moving a temporary transaction file to the destination file results in the transaction file not being cleaned up.
UDM-1239	UDM Manager	z/OS	Message ID 40092 not found when invalid value specified for SAF_KEY_RING option.

Level 2

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-1026	UDM Server	HP-UX	Add PAM support.
UDM-1196	UDM Manager and Server	Linux Itanium	Add Linux Itanium support.

Level 1

Released September 5, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-1144	UDM Manager	All	The networkFaultTolerant field of the UDM UDM_OPEN_COMMAND_STOP (405) event could incorrectly report a FALSE value. z/OS PTF: PU32001 z/OS USS PTF: PU40002
UDM-1179	UDM Manager and Server	All	The clientWorkId and clientUserId fields of the event records UBR_SRV_COMP_START (302) and UBR_SRV_COMP_STOP (303) for the secondary UDM server in a three-party transfer now reflect the UDM manager values instead of the primary UDM server values. Additionally, the uquery component information for the manager work ID and manager user ID for the secondary UDM server reflect the UDM manager values instead of the primary UDM server values. z/OS PTF: PU32001, PU32002 z/OS USS PTF: PU40002
UDM-1150	UDM Manager and Server	UNIX and z/OS USS	Add fifo support as a source file of the COPY command. z/OS PTF: PU32001, PU32002 z/OS USS PTF: PU40002
UDM-1190	UDM Server	All	Add support for new component stop protocol with the Broker. z/OS PTF: PU32002

Universal Enterprise Controller 3.2.0

For Windows, the Universal Enterprise Controller product includes the separately packaged Universal Enterprise Controller Client Applications.

Level 4

Released November 2, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEC-287	Client Applications	All	Added an About button on the client connect dialogs.
UEC-326	Client Applications	All	Made the IP address a required field in the connection definition dialog.
UEC-422	Activity Monitor Client	All	An unavailable agent version is now indicated by the value NA instead of NULL.
UEC-425	Administration Client	All	The agent name now cannot be changed once an agent is defined.
UEC-449	Administration Client	All	The SAP system number field name has been changed from SysNum to SysNR to comply with the SAPRFC configuration file conventions.
UEC-556	Management Console Client	All	All required UACL fields are now marked as required when adding UACL entries.
UEC-581	UECTLR	z/OS	Documentation update to MESSAGE_LEVEL in UEC configuration file UECCFG00.
UEC-638	Administration Client	All	Add the agent polling interval, managed mode, and alert properties to the agent properties frame.
UEC-675	UECLOAD	All	Message UNV4321W issued when the reported condition was not applicable.
UEC-737	Management Console Client	All	Some warning dialogs incorrectly reported configuration options are properties.
UEC-916	UECTLR	All	New message UNV4356I reports the name of the client application associated with a newly connected client.
UEC-932	Activity Monitor Client	All	Removed File Result field from the file properties.

Change ID	Component	Platform	Description
UEC-994	Administration Client	All	Add support for assigning SAP systems from the Group edit or add dialogs.
UEC-1030	Administration Client	All	When adding a new SAP system, it was not being added to the All SAP Systems group.
UEC-1035	Activity Monitor Client	All	An alert is created when a disconnected component is reconnected instead of the disconnect alert being removed.
UEC-1039	Activity Monitor Client	All	Add UDM manager work ID to the file properties view.
UEC-1046	Management Console Client	All	Menu item label changed from ACL to UACL to comply with product documentation.
UEC-1052	Client Applications	All	Terminology change from "add" to "assign" in dialogs.
UEC-1081	UECTLR	z/OS	Comment added to UECDBSPC sample job that UECDBREC job should be run after the space allocation has been increased.
UEC-1085	UECLOAD	All	Performance optimizations to UECLOAD.
UEC-1114	Client Applications	All	Correct inconsistencies in how applications informed user they do not have security access to client applications.
UEC-1115	Activity Monitor Client	All	The Stop Component action is now greyed out if the user does not have permission to the action.
UEC-1133	UECTLR	All	Documentation update to HOST_RETRY_COUNT option in UEC configuration file.
UEC-1173	Activity Monitor Client	All	Changed the Server Total count to Universal Components Total as it includes all Universal Product components.
UEC-1195	Activity Monitor Client	All	Search criteria is now saved when switching between job status filters.
UEC-1220	Management Console Client	All	Completed commit records expired based on the commit incomplete expiration and pending comment records expired based on commit complete expiration.
UEC-1222	Activity Monitor Client	All	Icon representation removed from group properties detail view.

Change ID	Component	Platform	Description
UEC-1241	Activity Monitor Client	All	Add support for displaying UDM EXEC SAP commands.
UEC-1274	Activity Monitor Client	All	SAP system alerts are not sorted descending by time.
UEC-1283	Activity Monitor Client	All	Removed the job UUID from the COPYDIR command properties.
UEC-1300	Activity Monitor Client	All	The UDM manager IP address can potentially show the UDM primary server IP address in a three-party transfer.
UEC-1304	Activity Monitor Client	All	The exit code of an NFT UCM user process that times out waiting for a reconnect can potentially be overwritten when the UCM manager ends.
UEC-1308	Activity Monitor Client	All	Add missing LOGIN option to UCM jobs.
UEC-1332	UECLOAD	All	Add ARCFILE option to command line help.
UEC-1344	Activity Monitor Client	All	After an MFT UCM manager is restarted, the manager IP address is blank until the manager ends.
UEC-1349	Administration Client and Activity Monitor Client	All	The change password function can potentially hang the client application.
UEC-1353	Activity Monitor Client	All	Add tool tip for status icons.
UEC-1370	Activity Monitor Client	All	An MFT UCM server restarted from PENDING communication state overwrote certain fields from the original UCM server.
UEC-1375	Activity Monitor Client	All	The All SAP Systems group view does not include table headings if there are no SAP systems defined.
UEC-1402	UECTLR	All	Upgrade SAP RFC library to 6.40 on z/OS and 7.10 on Windows to correct potential hang in the SAP library when waiting for results from an RFC call.
UEC-1418	Management Console Client	All	The detail record of a UMC commit shows successful yet the comment queue shows pending.
UEC-1421	Administration Client	All	Not able to edit the user authentication method in a user definition.

Change ID	Component	Platform	Description
UEC-1422	UECTLR	z/OS	To aid in diagnosing database problems, UEC will produce an LE dump and shut down upon a database write error.
UEC-1425	Administration Client	All	Newly added agents may not show in the All Agents group until logoff and logon occurs.
UEC-1430	Management Console Client	All	Records are not being removed from the commit queue table as records expire.
UEC-1439	UECTLR	All	Potential storage access violation exporting events from UEC.
UEC-1445	Client Applications and UECTLR	All	Character values in the set of XML Special Characters (for example: &, >, <, ") were not being converted to their XML format (ampersand format) correctly.
UEC-1458	Activity Monitor Client	All	A filter that results in no matches does not change the count value to zero.
UEC-1486	UECTLR	All	Database conversion behavior for duplication records changed from stopping the conversion to identifying the duplicate records and continuing.

Level 3

Released April 27, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEC-1460	UECTLR	z/OS	Potential storage access violation when exporting UES event records.
UEC-1461	Sample JCL	z/OS	Incorrect disposition specified on database load input data set resulting in the database not being reloaded.
UEC-1466	UECLOAD	z/OS	Potential error in writeStringUTF8 when exporting UES event data in ARC format.
UEC-1473	UECTLR	z/OS	Potential heap corruption error during UECTLR start-up and initialization phase causing the started task to end with condition code 4000.

Level 2

Released November 7, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEC-1420	Administration Client	All	Potential loss of agent and group association when editing a group definition.
UEC-1386	Administration Client	All	Post alert value of an agent definition always displays YES regardless of database value.

Level 1

Released September 5, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEC-1396	UECTLR, UAM	All	Add jobs (for UCMD and UDM) and files views to Universal Activity Monitor. z/OS PTF: PU33001
UEC-1376	UECTLR	Windows	Correct format of messages UNV2700-UNV2799 in Windows Application event log.
UEC-1360	UAM	All	Add support to maintain application window size and position on the desktop.
UEC-1309	Administration Client, UECTLR	All	An edit of the group name in the Group definition was not saved in the UEC database. z/OS PTF: PU33001
UEC-1302	UECTLR	All	Synchronize error messages issued by different threads if connection to Universal Agent cannot be established and host name cannot be resolved. z/OS PTF: PU33001
UEC-1294	UECTLR	All	Automatically adjust agent polling interval to 10 seconds if UES event records are backed up on the agent. z/OS PTF: PU33001
UEC-1290	UAM	All	Add support for saving table column order and widths.

Change ID	Component	Platform	Description
UEC-1282	UECTLR	z/OS	Add reason code to IBM EDC messages. z/OS PTF: PU33001
UEC-1177	UAM	All	Prevent selection of multiple items in UAM tree view.
UEC-1176	UAM	All	Fix potential UAM lock up when using the change password action.
UEC-1158	UAM	All	Add tooltip support to display data truncated in a table cell.
UEC-1156	UAM	All	Fix user not being prompted for saving column layout if columns were only reordered.
UEC-1140	UAM	All	The “broker responding” alert remains in the UAM alert table longer than it should.
UEC-1037	UAM	All	Enable “Properties” tool bar button only if an object with viewable properties is selected in the tree view.
UEC-929	UAM	All	Add a default sort column to all table views. If the default column is removed, the first column shall be used as the default sort column.
UEC-927	UAM, UECTLR	All	Serious alerts are now displayed in red with a red octagon icon. z/OS PTF: PU33001

Universal Event Monitor 3.2.0

Level 2

Released September 8, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEM-318	UEM Servers	All	Event occurrence was not checked when event becomes inactive to determine final state of event.
UEM-320	UEM Manager	All	Message identifier 40010 not found in message catalogue.
UEM-325	UEM Servers	All	Implementation of new component stop command protocol.
UEM-336	UEMLOAD	All	Potential storage access violation when exporting event handler with a script statement longer than 254 characters.
UEM-339	UEMLOAD	All	Event handler script statements specified with the SCRIPT option are split across lines with no line continuation character.
UEM-341	UEM Manager	All	Event handler script statements are truncated at 1,000 characters. There is no limit on the length of a statement now.
UEM-351	UEM Servers	All	Small memory leak on each handler execution.
UEM-353	UEM Servers	All	Send database change notifications to all active UEM servers on the system.

Level 1

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEM-327	UEM Servers	HP-UX	Add PAM support.
UEM-328	UEM Manager and Servers	Linux Itanium	Add Linux Itanium support.

Universal Connector 3.2.0

Level 2

Released September 8, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
USP-169	USAP	Solaris	Upgraded the SAP RFC library to 7.0.
USP-171	USAP	All	MODIFY command ends successfully when the step number is not valid for the job being modified.
USP-172	USAP	All	Line graphic characters in spool output are not formatted correctly using RFC library version above 4.6D. The DEFAULT spool list translation table has been modified to account for the differences.
USP-173	USAP	All	Added UTF-8 code page support for spool list retrieval.
USP-174	USAP	All	Spool list size calculated with XBP 2.0 per_line_buffer value when XBP 1.0 is specified, resulting in the spool list size being calculated incorrectly.
USP-175	USAP	All	The maximum valid value for MAX_SPOOL_SIZE potentially exceeds the range of the program variable, forcing the maximum spool size to the default value of 1,610,612,736.
USP-176	USAP	All	The calculated size of the spool list reported by SAP potentially exceeds the range of the program variable resulting in a size of 0, which is always less than the MAX_SPOOL_SIZE specified by the user.

Level 1

Released April 1, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
USP-024	USAP	All, except Solaris	Add a number of USAP informational messages that provide information on execution options.
USP-093	USAP	All, except Solaris	Add support for running an SAP job definition with an alternate variant.
USP-100	USAP	All, except Solaris	Add support for AUDIT message level.
USP-104	USAP	All, except Solaris	Add support for Universal Encrypted command files created with AES encryption.
USP-109	USAP	All, except Solaris	Write job definitions to standard error when message level is AUDIT.
USP-126	USAP	All, except Solaris	Add support for blank values in the SAPLANG option. When a blank is specified, the SAP server default is used.
USP-139	USAP	z/OS	Add support for the z/OS CANCEL system command.
USP-140	USAP	All, except Solaris	Remove SAP from product name.
USP-146	USAP	All, except Solaris	Specifying an invalid USAP option results in message UNV0133E erroneously being printed.
USP-147	USAP	All, except Solaris	Add "Message Type" field to job log output.
USP-148	USAP	All, except Solaris	Add support for SAP function module BAPI_XBP_JOBLIST_STATUS_GET.
USP-149	USAP	All, except Solaris	Add support for mixed case user names and passwords.
USP-150	USAP	All, except Solaris	The Client Fault Tolerant ABAP program job step is always 1 when STEP_NUMBER statements are used.

Change ID	Component	Platform	Description
USP-151	USAP	All, except Solaris	Upgrade SAP RFCSDK library to the following levels: <ul style="list-style-type: none"> • z/OS RFC 6.40 • AIX RFC 7.00 • HP-UX RFC 7.00
USP-154	USAP	All, except Solaris	Add informational message indicating success of the ABORT command.
USP-156	USAP	All, except Solaris	Message "job deleted" erroneously printed when BAPI_XBP_JOB_DELETE fails and job not deleted.
USP-159	USAP	All, except Solaris	Add error processing for BAPI_XBP_JOB_CHILDREN_GET errors.
USP-160	USAP	All, except Solaris	No error message printed when BAPI_XBP_JOB_CHILDREN_GET fails.
USP-161	USAP	All, except Solaris	Wrong message text in message UNV0643W printed when error occurs in SAP background processing event.
USP-162	USAP	All, except Solaris	Add RFC remote function name to RFC remote function error messages.
USP-165	USAP	All, except Solaris	Convert SAPLANG value to upper case.

Universal Certificate 3.2.0

Level 1

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCR-16	UCERT	Linux Itanium	Add Linux Itanium support.

Universal Encrypt 3.2.0

Level 1

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UEN-23	UENCRYPT	Linux Itanium	Add Linux Itanium support.

Universal Database Utilities 3.2.0

Level 3

Released September 8, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDB-11	UDBLOAD and UDBDUMP	z/OS	Add zFS file system support.

Level 2

Released April 27, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDB-9	UDBLOAD	z/OS	Load option -o results in database truncation when multiple databases are being loaded into one database file.
UDB-10	UDBLOAD	z/OS	Load fails when a dump of a corrupted database produces a __OTHER__ table.

Universal Control 3.2.0

Level 2

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCT-84	UCTL Server	HP-UX	Add PAM support.
UCT-85	UCTL Manager and Server	Linux Itanium	Add Linux Itanium support.

Level 1

Released September 5, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCT-82	UCTL Manager and Server	All	Add support for new component server stop protocol. The new protocol now reports whether the target server component authorizes the stop request. z/OS PTF: PU29002, PU29003, PU29004 z/OS USS PTF: PU38002, PU38003

Universal Broker 3.2.0

Level 7

Released October 18, 2010

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
D-01628	UBROKER	Windows	Fixed the creation of negative XPS event object IDs after about two billion event objects created.

Level 6

Released September 8, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UBR-392	UBROKER	Windows	The LOG value has been removed from the Broker configuration file and template as a valid MESSAGE_DEST value.
UBR-405	UBROKER	All	The EVENT_GENERATION and ACTIVITY_MONITORING options are not refreshed by a Broker REFRESH command.
UBR-421	UBROKER	z/OS	Fix mktime overflow error when generating event message UBR_START. This problem only occurs on z/OS 1.10.
UBR-426	UBROKER	z/OS	Add zFS file system support.
UBR-427	UBROKER	UNIX	Potential segmentation fault when trace is being written to the trace table.
UBR-438	UBROKER	z/OS	APAR OA08019 causes a memory leak in subpool 229 upon a Broker REFRESH.
UBR-455	UBROKER	UNIX	Added configuration option LOG_FILE_LINES to specify the maximum number of lines to write to the log file before a new generation is created.

Level 5

Released April 27, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UBR-435	Sample JCL	z/OS	Incorrect disposition specified on database load input data set resulting in the database not being reloaded.
UBR-437	UBROKER	z/OS	Memory leak in UBROKER when a local UCMD manager running with network fault tolerance and a server stop conditions value registers with the broker.

Level 4

Released April 1, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UBR-430	UBROKER	z/OS	Fix mktime "invalid argument" error generating the BROKER_SRV_COMP_STOP event.
UBR-422	UBROKER	z/OS	Add support for using the CANCEL system command on USAP jobs.
UBR-429	UBROKER	z/OS	Add UNVRFC ddname to the UBROKER started task JCL procedure.

Level 2

Released October 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UBR-410	UBROKER	Linux Itanium	Add Linux Itanium support.
UBR-414	UBROKER	Linux Itanium and HP-UX	Potential communication errors between a UCMD Manager, Server, and UBROKER when restarting a PENDING UCMD Server. UCMD Server encounters an invalid transmission header ID error in XNWReceiveMessage, and the UBROKER encounters a wrong version number error in SSL_read.
UBR-416	UBROKER	Linux Itanium and HP-UX	Add new MGR_RESTART_COMPLETE_ACK command to support UCM-996.

Level 1

Released September 5, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UBR-398	UQUERY	All	Add Broker start date and time to the query response. z/OS PTF: PU29005, PU29006 z/OS USS PTF: PU38005, PU38006

Universal Products for SOA 3.2.0

Level 4

Released October 30, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UAC-55	UAC	All	Redefine Java exception errors to UNV message IDs and return codes.
UAC-56	UAC	All	Add support for MQ Series.
UAC-58	UAC	All	UAC server's communication state would remain in a STARTING state.
UAC-61	UAC	Windows	Adjust UAC logging so that all container messages go to the container log file.
UAC-64	UAC	Windows	Change Windows UAC startup script to not open a console window.
UAC-72	UAC	All	The RMI_PORT option was not passed correctly resulting in a different RMI port being opened.
UAC-79	UAC	All	Provide a UAC.xml sample file in the sample directory.
UAC-102	UAC	All	Verify UAC.xml file as part of the UAC server start phase.
UAC-112	UAC	All	Failed trigger not logged when SOAPConnection definition contains invalid values.
UAC-113	UAC	All	Failed trigger not logged when JMSConnection definition contains invalid values.
UAC-118	UAC	All	Potential memory leak when long running XD jobs are submitted.

Level 3

Released March 25, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UAC-117	UAC	All	Unable to obtain a DB connection from the pool due to connection resources not being released.

Level 2

Released December 17, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
	UAC	All	Support added for Universal Event Monitor for SOA.

Level 1

Released November 7, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UAC-91	UAC	All	The jmsreply option not accepting supplied values.

Universal Command 3.1.1 for OS/400

Level 11

Released June 6, 2008

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UCM-964	USBMJOB and UMSGHNDLR	OS/400 V5R1	USBMJOB and UMSGHNDLR receives MCH4433.
UCM-967	UCM Server	OS/400 V6R1 and above	UCMSRV and UCMSINIT receives MCH1004 because UBROKER profile does not have *JOBCTL authority.

Universal Data Mover 3.1.1 for OS/400

Level 10

Released May 1, 2009

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
UDM-1268	UDM Manager and Server	OS/400	The UDM AUT attribute has no effect on a newly created physical file's AUT attribute.
UDM-1269	UDM Manager and Server	OS/400	The UDM CRTAUT attribute accepts invalid values and then ignores them when creating a library. The library is created with a CRTAUT value of *SYSVAL.

Universal Encrypt 3.1.1 for OS/400

No maintenance available.

Universal Broker 3.1.1 for OS/400

No maintenance available.

Universal Command 2.1.1 for HP NonStop

Level 3

Released September 3, 2008

This maintenance release includes the following changes:

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

Level 2

Released January 23, 2004

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
CR01135	Universal Command Server	HP NonStop	Certain errors, such as OBEY file not found, were not properly detected and resulted in exit code 0.
CR01137	Universal Copy	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	Universal Broker	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	Universal Broker	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	Universal Command Server	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	Universal Broker	HP NonStop	The broker unv.log file does not roll over to the next generation.

Level 1

Released September 30, 2003

This maintenance release includes the following changes:

Change ID	Component	Platform	Description
DF01000	Universal Command Server	HP NonStop	Standard input redirection was enabled. Changed the UCOPY program from a Guardian program to an OSS program to prevent gtacl from manipulating the data transferred in binary mode. Added the UCMD server option <code>script_type</code> in order to support both TACL and OSS commands and scripts. The UCMD manager can specify the option with the manager's SERVER option (<code>-S</code> or <code>-server</code>).
CR01023	Universal Command Server	HP NonStop	Added the server options <code>-cpu</code> and <code>-priority</code> . 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 (<code>-S</code> or <code>-server</code>).
DF01027	Universal Broker	HP NonStop	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.

Documentation

This section lists documentation available for the current version of Universal Products 3.2.0.

Universal Products 3.2.0 Level 10

Released October 18, 2010

Documents updated / created since the last issue of this Maintenance document are highlighted.

Document Name	File Name
Universal Broker User Guide	ub-user-3206.pdf
Universal Broker Reference Guide	ub-ref-3205.pdf
Universal Certificate Quick Reference	ucert-quickref-3201.pdf
Universal Command User Guide	ucmd-user-3204.pdf
Universal Command Reference Guide	ucmd-ref-3206.pdf
Universal Command Quick Reference	ucmd-quickref-3201.pdf
Universal Command Agent for SOA User Guide	ucasoa-user-3203.pdf
Universal Command Agent for SOA Reference Guide	ucasoa-ref-3203.pdf
Universal Command Agent for SOA: XD Connector	uca-xd-quickstart-3201.pdf
Universal Command Agent for SOA: MQ Connector	uca-mq-quickstart-3204.pdf
Universal Connector User Guide	usap-user-3203.pdf
Universal Connector Reference Guide	usap-ref-3205.pdf
Universal Connector Quick Reference	usap-quickref-3202.pdf
Universal Control Quick Reference	uctl-quickref-3201.pdf
Universal Data Mover User Guide	udm-user-3207.pdf
Universal Data Mover Reference Guide	udm-ref-3207.pdf
Universal Data Mover Quick Reference	udm-quickref-3202.pdf
Universal Enterprise Controller User Guide	uec-user-3203.pdf

Document Name	File Name
Universal Enterprise Controller Reference Guide	uec-user-3203.pdf
Universal Enterprise Controller Client Applications	uec-ca-3202.pdf
UECLoad Quick Reference	uecload-quickref-3201.pdf
Universal Event Monitor User Guide	uem-user-3203.pdf
Universal Event Monitor Reference Guide	uem-ref-3204.pdf
Universal Event Monitor Quick Reference	uem-quickref-3201.pdf
Universal Event Monitor for SOA User Guide	uemsoa-user-3203.pdf
Universal Event Subsystem Event Definitions	ues-eventdef-3202.pdf
UEMLoad Quick Reference	uemload-quickref-3201.pdf
Universal Products Installation Guide	unv-install-32010.pdf
Universal Products Installation Requirements	unv-install-reqs-3204.pdf
Universal Products Maintenance	unv-maintenance-32018.pdf
Universal Products Messages and Codes	unv-m&c-3204.pdf
Universal Products Messages and Codes (TXT format)	unv-m&c-3204.txt
Universal Products Overview	unv-overview-3208.pdf
Universal Products Utilities User Guide	util-user-3205.pdf
Universal Products Utilities Reference Guide	util-ref-3204.pdf
Universal Query Quick Reference	uqry-quickref-3201.pdf



950 North Point Parkway, Suite 200
Alpharetta, Georgia 30005
U.S.A.

