

CA Workload Control Center

Release Notes

r11.3



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CA Product References

This document references the following CA products:

- CA 11™ Workload Automation Restart and Tracking (CA 11 WA Restart and Tracking)
- CA Embedded Entitlements Manager (CA EEM)
- CA Jobtrac™ Job Management (CA Jobtrac JM)
- CA NSM
- CA Scheduler® Job Management (CA Scheduler JM)
- CA Workload Automation AE
- CA Workload Automation Agent for Application Services (CA WA Agent for Application Services)
- CA Workload Automation Agent for Databases (CA WA Agent for Databases)
- CA Workload Automation Agent for i5/OS (CA WA Agent for i5/OS)
- CA Workload Automation Agent for Linux (CA WA Agent for Linux)
- CA Workload Automation Agent for Micro Focus (CA WA Agent for Micro Focus)
- CA Workload Automation Agent for Oracle E-Business Suite (CA WA Agent for Oracle E-Business Suite)
- CA Workload Automation Agent for PeopleSoft (CA WA Agent for PeopleSoft)
- CA Workload Automation Agent for SAP (CA WA Agent for SAP)
- CA Workload Automation Agent for UNIX (CA WA Agent for UNIX)
- CA Workload Automation Agent for Web Services (CA WA Agent for Web Services)
- CA Workload Automation Agent for Windows (CA WA Agent for Windows)
- CA Workload Automation SE
- CA Workload Control Center (CA WCC)

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Chapter 1: New Features

The Release Notes for CA Workload Control Center (CA WCC) documents new features and changes to existing features for r11.3. This chapter describes new features added to the product. The chapter "Changes to Existing Features" describes changes made to existing features and includes a list of any features removed from the product.

New features include the following:

- Support for the new agents and job types of CA Workload Automation AE r11.3
- A new *Workload Scheduling Guide* is provided to help you manage the new job types in CA WCC
- A new Monitoring component that lets you create views, view graphical representations of job flows, and monitor the status of those views to ensure successful job flow completion

Notes:

- The Monitoring component replaces the Job Flow components.
- CA EEM filtering controls are available for the objects in Monitoring.
- A new migration utility that lets you convert existing CA WCC r11.1 SP1 job flows into Monitoring views
- A new Resources component that lets you manage CA Workload Automation AE r11.3 virtual resources
- A new Reports - Forecast component that lets you predict future job runs and when they will occur
- Three new batch interface utilities that let you do the following from a command prompt:
 - Insert, modify, and delete Monitoring views
 - Create and manage an authorized list of job types for a single user or a group of users
 - Save a template that contains common job properties for reuse when creating a job
- New help systems for the Monitoring, Resources, and Reports - Forecast applications
- A new *Security Guide* that contains security information, including CA EEM policy information, for both CA Workload Automation AE and CA WCC

Agent and Job Type Support for CA WCC r11.3

CA WCC now provides support for multiple workload automation agents and job types. Supported agents are job type-specific and allow communication between the agent and CA Workload Automation AE. The CA Workload Automation Agent for UNIX, Linux or Windows is included with CA Workload Automation AE. You can purchase the other agents you need separately, and install them into your system agent directory.

Notes:

- Legacy CA Workload Automation AE job types (Box, Command, File Watcher, and User-Defined) are available by default with CA Workload Automation AE r11.3.
- Any job type not included with the CA Workload Automation Agent for UNIX, Linux or Windows will not be available if you do not install the appropriate agent plug-in.
- SAP job administration will only support the Business Agent for SAP and not the legacy CA Adapter for SAP. Legacy SAP jobs will be converted to command jobs.

For CA WCC r11.3, the following agents and job types are supported:





















Agent	Supported Job Types	Notes
System Agent (CA Workload Automation Agent for UNIX, Linux or Windows)	Box	
	Command	
	File Watcher	
	File Trigger	
	FTP	
	User Defined	
	CPU Monitoring	
	Disk Monitoring	
	IP Monitoring	
	Process Monitoring	
	UNIX/Linux	Implemented as the legacy Command job
	Windows	Implemented as the legacy Command job
	Windows Event Log Monitoring	





























Windows Service Monitoring		
Oracle E-Business Suite Agent	Oracle E-Business Suite Copy Single Request	
	Oracle E-Business Suite Request Set	
	Oracle E-Business Suite Single Request	
PeopleSoft Business Agent	PeopleSoft	
SAP Business Agent	SAP Batch Input Sessions	
	SAP BW InfoPackages	Replaces SAP InfoPackage job
	SAP BW Process Chain	Replaces SAP Process Chain job
	SAP Data Archiving	
	SAP Event Monitor	
	SAP Job Copy	
	SAP Process Monitor	
	SAP R/3	Replaces SAP job
Database Agent	Database Monitor	
	Database Stored Procedure	
	Database Trigger	
	SQL	
Application Services Agent	Entity Bean	Related to Java applications
	HTTP	
	JMS Publish	
	JMS Subscribe	
	JMX-MBean Attribute Get	
	JMX-MBean Attribute Set	
	JMX-MBean Create Instance	
	JMX-MBean Operation	
	JMX-MBean Remove Instance	
	JMX-MBean Subscribe	
	POJO	
	RMI	
	Session Bean	
Web Services Agent	Web Service	Replaces existing web service job

POJO		
z/OS Agent (used by distributed products only)	z/OS Regular	
	z/OS Data Set Trigger	
	z/OS Manual	
i5/OS	i5/OS	Formerly OS400 Agent
	File Trigger	
	FTP	
	CPU Monitoring	
	Disk Monitoring	
	IP Monitoring	
	Process Monitoring	
	Text File Reading and Monitoring	

Job Type Icons

The following job type icons are used in CA WCC:

 Box (BOX)	 Secure Copy (SCP)
 Command (CMD)	 User Defined (specify 0-9)
 File Watcher (FW)	 z/OS Regular (ZOS)
 File Trigger (FT)	 z/OS Data Set Trigger (ZOSDST)
 FTP (FTP)	 z/OS Manual (ZOSM)
 i5/OS (I5)	
Object Monitoring Jobs	
 CPU Monitoring (OMCPU)	 Text File Reading and Monitoring (OMTF)
 Disk Monitoring (OMD)	 Windows Event Log Monitoring (OMEL)
 IP Monitoring (OMIP)	 Windows Service Monitoring (OMS)
 Process Monitoring (OMP)	
ERP Jobs	
 Oracle E-Business Suite Copy Single Request (OACOPY)	 SAP BW Process Chain (SAPBWPC)

 Oracle E-Business Suite Request Set (OASET)	 SAP Data Archiving (SAPDA)
 Oracle E-Business Suite Single Request (OASG)	 SAP Event Monitor (SAPEVT)
 PeopleSoft (PS)	 SAP Job Copy (SAPJC)
 SAP Batch Input Session (SAPBDC)	 SAP Process Monitor (SAPPM)
 SAP BW InfoPackage (SAPBWIP)	 SAP R/3 (SAP)
Database Jobs	
 Database Monitor (DBMON)	 Database Trigger (DBTRIG)
 Database Stored Procedure (DBPROC)	 SQL (SQL)
Application and Web Services Jobs	
 Entity Bean (ENTYBEAN)	 JMX-MBean Operation (JMXMOP)
 HTTP (HTTP)	 JMX-MBean Remove Instance (JMXMREM)
 JMS Publish (JMSPUB)	 JMX-MBean Subscribe (JMXSUB)
 JMS Subscribe (JMSSUB)	 POJO (POJO)
 JMX-MBean Attribute Get (JMXMAG)	 RMI (JAVARMI)
 JMX-MBean Attribute Set (JMXMAS)	 Session Bean (SESSBEAN)
 JMX-MBean Create Instance (JMXMC)	 Web Service (WBSVC)

Monitoring


The Monitoring application has been added to CA WCC. It is a thin-client, applet-free component that performs the same basic functions as the former Job Flow Monitoring component (for CA Workload Automation AE r11.3 servers only). You can add, edit, or delete views, monitor collections and jobs within the views, and view the dependencies for a job or collection in a graphical flow. A new Monitoring Help, describing the application in detail, is now available from the Help link.

A migration utility that lets you convert your existing CA WCC r11.1 SP1 job flow definitions into valid Monitoring view definitions has been provided with CA WCC r11.3. The `wcc_jfmconvert.bat` file is run on the CA WCC server and produces a script file of commands that describe the views. You then import this output using either the `wcc_monitor` batch interface or the import function in the View Management Console of Monitoring.

Monitoring Job Status Icons

New icons have been added to represent CA Workload Automation AE statuses, as follows:

Status	New Icon
Running	
Unknown	
Starting	
Success	
Failure	
Terminated	
On Ice	
Inactive	
Activated	
Restart	
On Hold	
Queue Wait	
Pending Machine	
Waiting for Resources	
Waiting for Reply	
Server Disconnected	

Status	New Icon
Server Not Configured	
Server Failure	
Server Connected	
Server Unknown	

Resources

The Resources application has been added to CA WCC. It lets you add, edit, or delete virtual resources, monitor resources, and view resource dependencies for a job or collection of jobs in a graphical view. You can specify box job or job predecessors that must complete successfully before a box job or job can run. Similarly, you can specify virtual resources that must be met before a box job or job can run. For example, you can create a virtual resource in Resources and then use that resource as a dependency for a job's execution. A new Resources Help, describing the application in detail, is now available from the Help link.

Reports - Forecast

The Reports – Forecast application has been added to CA WCC. It is a thin-client component that lets you create, generate, and display forecast reports of job runs that have occurred, or that will occur, during the time period you specify. The forecast report displays jobs, their duration, and their start and end times in tabular and Gantt chart formats on a single page. The Gantt chart also shows the time relationships of the jobs. You can use forecast reports to view job runs that occurred during a previous time interval, or specify a future time interval to help you predict your workflow. A new Reports - Forecast Help, describing the application in detail, is now available from the Help link.

Batch Interfaces

Three new batch interface utilities have been added to CA WCC enabling you to perform many basic and necessary CA WCC functions using the Windows command line or UNIX console.

The Monitoring Batch Interface lets the administrator insert, modify, and delete CA WCC monitoring views from the Windows command line or UNIX console as an alternative to using the Monitoring application. You can export and import existing views from one CA WCC r11.3 server to another, or create a text file that lets you insert, modify, or delete views.

The Filter Job Types Batch Interface lets the administrator create an authorized list of job types from the Windows command line or UNIX console for all or specified users. Because your enterprise may not use all of the supported CA Workload Automation AE r11.3 job types, as an administrator, you can remove unused job types from a list, and then review the list at any time and make changes as needed. This list is used to populate the Filter Job Types dialog in Quick Edit and Application Editor.

The Job Template Batch Interface lets the administrator create templates for authorized users that contain common job properties. The user can then select one of these user-defined templates from the Create Job or Create Object dialog in Quick Edit, or from the Palette in Application Editor, to create a job, and therefore, save time by not having to enter common job properties.

Help files that describe the capabilities and usage of these batch interfaces are available from the following directory (in the path that contains the executable files for the utilities themselves):

WCC_installation_root/ConfigServer/BatchInterface/help. They are also available from the documentation bookshelf.

Security Guide

A new *Security Guide* is included with CA WCC r11.3. This guide consolidates all of the security information, previously included in multiple documents, into a single guide. Because CA EEM policies are defined on the CA Workload Automation AE instance and CA WCC, a best practices section has been included to help you evaluate your environment and set up an efficient security policy.

Chapter 2: Changes to Existing Features

This chapter documents changes made to existing features and includes a list of any features removed from the CA WCC r11.3.

Changed features include the following:

- Job Status Console
 - Additional alarms in the available Alarms list on the Alerts: Add an Alarm Filter and Alerts: Edit an Alarm Filter pages
 - Additional fields that let you filter on jobs that last started within a set period of time
 - Wait Reply status for the i5/OS job type
 - Integration with Quick View, replacing the Job Details and Job Details: Action pages
- Quick View
 - Preferences dialog that lets you set which reports should be displayed in Quick View
 - Paging of the job list when a job search returns more jobs than can be displayed on a single page
 - Revised Job Details table that displays related job properties together in categories
 - View JIL button that lets you view job details in JIL
 - Job icons in the Job Flow that indicate status, resources, global variables, and logical operators associated with the jobs
- Quick Edit
 - A scroll bar added to the Select Job Types dialog when the number of displayed job types exceeds the space available in the dialog
 - A redesigned Properties section that displays related job properties together in categories
 - A dialog that lets you set the job types that display in the Create Object, Create Job, and Select Job Types dialogs

- Application Editor
 - Ability to reuse an existing SAP job definition directly from SAP
 - A redesigned Properties section that displays related job properties together in categories
 - A drop-down list of commands that replaces the Load Previous, Save, Import Jobs, Commit, and Clear buttons
- High Availability
 - A single page that displays all information instead of tabbed pages
 - Ability to apply configuration packages, view history, and roll back configurations on a spectator server from the core server
 - Ability to select individual spectator servers and individual configuration components for synchronization
- Configuration Manager
 - Removal of CA Workload Automation SE and SAP server support
 - Removal of CAICCI links
 - Removal of users
 - A single page that displays all information instead of tabbed pages
 - Revisions to the Configuration Batch Interface
- CA EEM
 - Actions and resource changes to the CA EEM policies
 - Policies removed
 - WCC0002 application changed to WCC0003
- JAWS
 - JAWS support will not be available until after Beta
 - Global users have been simplified
 - Enhancements to the bookshelf
 - Reorganized documentation
 - Removal of the following components:
 - Job Flow Batch Interface and its associated help
 - Job Flow Design/Job Flow Monitoring and their associated help
 - Job Editor and its associated help
 - Reporting and its associated *Reporting User Guide*

Job Status Console

Job Status Console has the following enhancements for this release:

- Three new alarms, `WAIT_REPLY_ALARM`, `MUST_START_ALARM`, and `MUST_COMPLETE_ALARM`, have been added to the available Alarms list on the Alerts: Add an Alarm Filter and Alerts: Edit an Alarm Filter pages.

You can specify a must start time for a job, which is the relative or absolute amount of time after a job's scheduled start time within which a job must start. Similarly, you can specify a must complete time for a job, which is the relative or absolute amount of time after a job's start time within which a job must complete. The must start and must complete times for a job can be set in the date conditions and start times properties. If the job does not start or complete by the specified times, an alarm is issued.

If an i5/OS job is waiting for a user reply before it can continue running, a notification is issued by the i5/OS agent requesting this reply and the job's status changes to a `WAIT_REPLY` status. To satisfy the request, the operator must send a `REPLY_RESPONSE` event, signaling the agent to resume the job run. You can create an alarm filter to notify you when a job requires this intervention. CA Workload Automation AE automatically acknowledges the alarm once the `REPLY_RESPONSE` event has been sent.

- Two new fields have been added to the Job Status: Edit a Filter and Job Status: Add a Filter pages for CA Workload Automation AE job filters. You can now filter on jobs that last started within the specified number of days, hours, or both days and hours.
- A new status for i5/OS jobs, the Wait Reply status, is initiated from the i5/OS agent when a job requires a response from the operator before it can continue running. The Wait Reply status has been added as a filter criterion on the Job Status: Add a Filter and Job Status: Edit a Filter pages, letting you filter on jobs with that status. It has also been added as a job status option on the Alerts: Add a Policy and Alerts: Edit a Policy pages, letting you create alert policies that will notify you when a job has entered this state.
- The Job Details and Job Details: Actions pages have been removed from Job Status Console. Now, when you select a job from the Job Status: Jobs and the Alerts: Alerts pages, Quick View opens in a new window, letting you view the job details, send an event, or display CA Workload Automation AE logs.
- Support for the new job types for r11.3 has been added to Job Status Console. The Type field on the Job Status: Jobs page displays the job type for each job.

Quick View

Quick View has the following enhancements for this release:

- You can select the report types that you want to be displayed when the job you search for is found. Four report types are available for selection in the Preferences dialog: Dependent Jobs, Starting Conditions, Job Runs, and Events. By default, all report types are selected for display. User preferences are saved between sessions.
- The Search Results section contains arrow buttons that let you page forward and backward through the list when it contains more than 50 items. Additionally, you can go back to a specific page of the list.
- Job properties can be displayed in the Job Details section in either tree (table) format or as JIL statements. The Show JIL/Show Tree button is provided to switch between formats.

In the tree format, job properties are displayed in categories which can be expanded or collapsed to show details as needed. For example, if you are interested only in job-specific property details for the selected job, you can expand that category and collapse the others.

- The Job Flow section contains icons that represent resources, global variables, and logical operators associated with the jobs displayed. Additionally, the job icons indicate status. These icons are described in a legend window.
- A new status for i5/OS jobs, the Wait Reply status, is initiated from the i5/OS agent when a job requires a response from the operator before it can continue running.

Quick Edit

Quick Edit has the following enhancements for this release:

- The Search section has been enhanced to include key fields that you can use to search for specific objects. For example, the Search Job selection now contains the Owner, Send to machine, Run calendar, Group, Application, Run Days, Exclude calendar, Description, Min run time, and Max run time fields in which you can enter search criteria to narrow your search.
- The Properties section has been modified to include common property categories and a job-type specific category that contains all the properties associated with a particular job type. If you are interested in only the job-type specific properties for a job, you can expand that category and collapse the common property categories.
- A dialog has been added that lets you select the job types you actively use from the list of available job types. (The available job types are determined by the administrator using the Filter Job Types Batch Interface.) The job types that you select are available in the Create Object, Create Job, and Select Job Types dialogs.
- Job templates can be imported and displayed in the Create Object and Create Job dialogs. This feature lets you easily create a new job with predefined properties.
- Icons used in the job flow are described in a legend window that is accessible from the Flow toolbar. You can use the legend window to identify the job types, status icons, and line dependencies displayed in the flow.

Application Editor

Application Editor has the following enhancements for this release:

- SAP drag and drop support has been added in Application Editor. SAP drag and drop lets you reuse an existing SAP job definition directly from SAP.
- A dialog has been added that lets you select the job types you actively use from the list of available job types. (The available job types are determined by the administrator using the Filter Job Types Batch Interface.) The job types that you select are available in the Palette.
- Job templates can be imported and displayed in the Palette. This feature lets you easily create a new job with predefined properties.
- A drop-down action list has been added that includes commands that replace the former Load Previous and Start New buttons.
- Group and Application fields have been added to the Import Jobs dialog for use as additional search criteria. You can also recursively import box contents.
- Icons displayed in the job flow are described in a legend window that is accessible from the Graph toolbar.
- The Print and Find buttons have been moved to the Graph toolbar.

High Availability

High Availability has the following enhancements for this release:

- All of the information formerly contained in tabbed pages is now contained in individual sections on a single page displayed on the core or spectator server.
- You can configure the table in each section to display the number of rows you want.
- You can now do the following from the core server:
 - Select the components on one or more spectator servers that should be synchronized with the core server in one operation.
 - View the history of package activity on a spectator server.
 - Apply a configuration package on a spectator server.
 - Roll back the configuration on a spectator server.

Configuration Manager

Configuration has the following enhancements for this release:

- All of the information, formerly contained in tabbed pages, is now contained on a single page.
- You can add, delete, copy, and modify multiple servers at a single time using the Server Management Console dialog.
- A Search section has been added to include key fields that you can use to search for specific servers.
- CAICCI links were removed.
- Users were removed.
- Only changes to server definitions require deployment. You do not need to deploy changes to application-specific preferences.

CA Prerelease Documentation
Authorized Use Only

CA EEM

CA EEM has the following enhancements, listed by policy, for this release:

CA EEM Application

The CA EEM Application WCC0002 has been changed to WCC0003.

ApplicationAccess

The following Actions have been added:

- ReportsForecast
- CommandLineConsole
- JobStatusViews

The following Actions have been removed:

- JobEditor
- wccMain
- WebServicesBasic
- WebServicesAdvanced
- Reporting

ConfigurationControl

The following filter has been added to the ConfigurationControlCredentialsAdminDefault policy:

```
WHERE      named attribute: name:option3 ==      value:
val:_MONITOR_

OR          named attribute: name:option3 ==      value: val:_GLOBAL_
```

The following access control lists have been added to the existing default policy:

- ConfigurationControlMonitoringUserDefault
 - Resource: Monitoring/view/viewName/JobDeps
 - Action: access
 - Resource: Monitoring/flow/layout
 - Action: access
- ConfigurationControlMonitoringAdminDefault
 - Resource: Monitoring/server/serverName/cache
 - Action: delete
- ConfigurationControlFrameworkThemesDefault
 - Resource: FrameworkTheme/theme/instance/themeName

- Action: access

The following access control list names have been changed:

- ConfigurationControlCredentialsUpdateUserDefault to ConfigurationControlCredentialsUserDefault
- ConfigurationControlCredentialsAdminUserDefault to ConfigurationControlCredentialsAdminDefault

JobActionCA7

This policy has been removed.

PortletAccess

This policy has been removed. The portlets previously secured here have been redefined as applications (Enterprise Command Line was renamed to CommandLineConsoled) and moved into the ApplicationAccess policy.

LogAccess

The action EventProcessorLog has been changed to SchedulerLog.

MonitorViewControl

The following resources have been deleted:

- Server/*
- */PriorRun
- */RunLog

The following actions have been deleted:

- Publish
- Resync

ObjectAccess

The following resource has been added:

- */Forecast/*

The following resources have been deleted:

- */GlobalVariable/*
- */Calendar/*
- */ExtendedCalendar/*
- */Cycle/*
- */Jobset/*
- */Report/*

ObjectControl

The following resource has been added:

- */Forecast/*

The following resources have been deleted:

- */ARFDef
- */ARFSet
- */Dataset

Changes in Setting up a Monitor User

The process for creating a monitor user has been simplified in CA WCC r11.3. The Monitor ID, defined in CA WCC Configuration Manager and in CA Workload Automation AE, now has extended functionality that includes monitoring for all CA WCC users, and replaces the _JSC_DEFAULT_ user from previous versions of CA WCC.

The enhancements to setting up the Monitor ID as a monitor user include:

- You no longer need to set up a monitor user for each back-end application server.
- The Monitor ID and Monitor Password, entered in the server definition for each CA Workload Automation AE back-end server defined to CA WCC, replaces the global session User ID and Password fields previously set up in the Job Status Console Environment Properties. This user id is the same for every CA Workload Automation AE server you create in Configuration Manager.
- Changes in the ConfigurationControlCredentialsAdminDefault policy filter are no longer necessary.
- The monitor user does not need to be added to Credentials, unless you want the ability to change the associated password without changing the server definition.

For information about setting up the monitor user, see the *CA WCC Implementation Guide*.

Documentation Bookshelf

The documentation bookshelf is an HTML page that lets you access and search the documentation included with CA WCC. CA WCC documentation consists of guides and online help. Guides are in PDF format and online help systems are in HTML format. The HTML bookshelf contains links that open the help systems and guides. Help systems open in a browser window and guides open in Adobe Reader within a browser window.

During CA WCC installation, documentation is installed in the Documentation folder within the root directory of CA WCC. If you are using Internet Explorer, you should open the bookshelf by double-clicking Bookshelf.hta in the Documentation folder. If you are using a different browser, you should open the bookshelf by double-clicking Bookshelf.html in the Documentation folder.

Note: The Bookshelf.hta file works only with Internet Explorer. This file circumvents the active content pop-up that Internet Explorer displays when you run an HTML file with active content from a hard drive.

The bookshelf also lets you search all guides and online help for one or more words. The search results page contains links to the guides and help topics that contain the words you searched for.

Notes:

- When you select a guide in the search results page, the guide opens and the first instance of the word is highlighted. To find additional instances of the word, you can use the search functionality of Adobe Reader.
- When you select a help topic in the search results page, the topic opens. You can then use the search functionality of your browser to find the word in the topic.

Documentation Set Changes

The CA WCC documentation set has been reorganized for this release.

The *Readme* contains the following changes:

- Systems requirements have been moved to the *Release Notes*.
- Installation considerations and the default ports table have been moved to the *Implementation Guide*.

Note: Operating system support, general considerations, known issues, and published fixes (patch information) remain in the *Readme*.

The *Implementation Guide* contains the following changes:

- These installation procedures for common components have been removed. The installation procedures can now be found in the *CA Common Components Implementation Guide*, included with the CA Common Components DVD.
- The "Installing and Configuring Event Management" chapter has been removed from the guide. The installation procedure for Event Management can be found in the *CA Common Components Implementation Guide*, included with the CA Common Components DVD, and the configuration topics about CA Workload Automation AE message forwarding to Event Management can be found in the *CA Workload Automation AE Implementation Guide*, included with the CA Workload Automation AE DVD.
- The "Web Service Job-Related Information" appendix has been removed from the guide. The new Web Service job type is defined in a different way in this release.
- An installation checklist for CA WCC has been added to the installation chapter.
- The first chapter, "Introduction to CA WCC Implementation" has been updated, and a small-scale deployment example has been added.
- The Reporting installation chapter has been removed.

The *Reporting User Guide* has been removed from the doc set.

Removal of Reporting Component

Because of the complexity of installing and setting up Business Objects, the Reporting component has been removed from CA WCC r11.3. The Reporting DVD, the two options on the CA WCC installation DVD, and the Reporting application are no longer accessible. However, a new Reporting application is planned for the next CA WCC release.

Chapter 3: System Requirements

System requirements are provided for the servers in the CA WCC environment. For supported operating systems, information about required patches, and known issues, see the *CA WCC Readme*.

Notes:

- For CA Common Components and CA Workload Automation AE system requirements, see the appropriate *Release Notes*.
- After CA WCC is installed, you can check the version of software components used in CA WCC and other environmental information by clicking the System Information link and scrolling down to the appropriate section.

This section contains the following topics:

[CA WCC Server](#) (see page 27)

[CA WCC Client](#) (see page 31)

[Event Management Server](#) (see page 32)

[CA Workload Automation AE Servers](#) (see page 32)

CA WCC Server

The main CA WCC product is installed on the CA WCC server. A DVD-ROM drive is required for installation. The required processor, memory, and disk space for the operating system depend on factors such as the number of users, the number of objects published, and the size of the objects.

Hardware Requirements

Depending on the operating system, specific CA WCC server hardware requirements must be met or exceeded for CA WCC to install and run correctly.

Important! The following requirements apply to installing CA WCC on the CA WCC server only. If you plan to install other components such as Reporting or Event Management on the CA WCC server, the RAM and hard disk space requirements for those components must be added to the RAM and hard disk space requirements listed for CA WCC. Additionally, the fastest processor recommended for any single component should be used.

The requirements for a Windows or Linux x86 computer are as follows:

- 1 GHz Intel® Pentium® III (or compatible) processor or better; 2 GHz or higher processor recommended.
- 4 GB of RAM recommended.
- 6-7 GB of hard disk space for the installation, including CA WCC and the required common components.

The requirements for a Solaris computer are as follows:

- 1 GHz SPARC class processor; 2 GHz or higher processor recommended.
- 4 GB of RAM recommended.
- 6-7 GB of hard disk space for the installation, including CA WCC and the required common components.

The requirements for an AIX computer are as follows:

- 1 GHz IBM PowerPC class processor; 2 GHz or higher processor recommended.
- 4 GB of RAM recommended.
- 6-7 GB of hard disk space for the installation, including CA WCC and the required common components.

The requirements for an HP-UX computer are as follows:

- 1 GHz PA-RISC class processor; 2 GHz or higher processor recommended.
- 4 GB of RAM recommended.
- 6-7 GB of hard disk space for the installation, including CA WCC and the required common components.

Note: On UNIX and Linux, the /tmp directory should have a minimum of 500 MB of space available. On Windows, %TEMP% and %TMP% must point to a directory with a minimum of 500 MB of space available.

Software Requirements

SSA must be installed on the CA WCC server before you install CA WCC. Additionally, the common component CA EEM must be installed and running before you install CA WCC.

Notes:

- CA WCC r11.3 supports common components installed using the CA Common Components DVD r11.3.
- CA EEM is typically installed on a dedicated server.
- All instances of CA WCC in a High Availability group must use the same instance of CA EEM.
- Common components are installed using the CA Common Components DVD. For information about installing common components, see the *CA Common Components Implementation Guide*.

The following required software is automatically installed with CA WCC:

- Apache™ Tomcat 5.5.27
- Java Runtime Environment (JRE), 1.6.0 update 14

Note: This JRE, used by the CA WCC Servlet engines, is installed as a private JRE.

Optional Software Requirements

The following are CA WCC server requirements for optional components used in the CA WCC environment:

- Critical Path Monitoring—If your environment includes JAWS servers, CA WCC r11.3 supports JAWS Workload Service Manager 3.2.7 and later versions.

Database Requirements

CA WCC utilizes private databases for Job Status Console Alerts, Monitoring, and Reports.

The Job Status Console Alerts database stores alerts for Job Status Console, a component of CA WCC. The Job Status Console Alerts database is automatically created during the CA WCC installation.

The Monitoring database stores data to calculate and render Monitoring views. By default, a Derby database is selected to be installed for the Monitoring application during the CA WCC installation; however, you can alternatively specify one of the following existing databases:

- Microsoft SQL Server 2008
- MySQL Enterprise or Community database 5.1
- Oracle 11g

The Reports database stores data used by the Reports - Forecast application. A Derby database is automatically created during the CA WCC installation.

Notes:

- Each CA WCC server must have its own Monitoring database. Additionally, in a High Availability group, each core or spectator server must have its own Monitoring database; a Monitoring database cannot be shared among High Availability member servers.
- If you use the MySQL Community database for the Monitoring application, you must download the JDBC driver for the MySQL Community Server from <http://www.mysql.com/downloads/>.
- All CA WCC servers in a High Availability group must use the same Reports database.

Network Requirements for the High Availability Feature

CA WCC installed in a High Availability environment requires multicast support, that is, the core and spectator machines must be able to send and receive multicast packets. In theory, multicast packets can be sent within a single subnet. However, if the subnet spans multiple switches, then it is possible that the bridging technology used may block multicast packets between the switches. Also, some advanced switches have the ability to block multicast packets within the switch. To cross subnets, the routers connecting each subnet must be configured to propagate the multicast packets.

Daylight Savings Time Patches

The CA WCC r11.3 release includes an updated version of the private Java Runtime Environment (JRE) that meets the requirements for the daylight saving time changes for 2007. However, you or your system administrator may need to apply additional patches for the operating system and for common components. For more information, see the *CA WCC Readme*.

CA WCC Client

You can access CA WCC remotely.

Note: Access to CA WCC is available to users configured in CA EEM.

Hardware Requirements

The following client hardware requirements must be met or exceeded for CA WCC to run correctly on a Windows x86 computer:

- At least 512 MB of RAM; 1 GB or more recommended.
- 1 GHz processor; 2 GHz or more recommended.
- Minimum screen resolution of 800 x 600; minimum recommended screen resolution of 1024 x 768.

Software Requirements

The following browser requirements must be met or exceeded for CA WCC to run correctly:

- CA WCC supports the following web browser and versions:
 - Microsoft Internet Explorer 7.0
 - Mozilla Firefox
- CA WCC requires the JRE browser plug-in version 1.6.0 to be installed.

The automatic download of the JRE browser plug-in is dependent on a minimal JRE being present on the client machine. For Windows XP and Windows 2003, a minimal JRE may not be available. If you are using Windows XP or Windows 2003, ensure that JRE 1.6.0 is installed on the machine before you use CA WCC. The JRE browser plug-in can be downloaded from <http://java.sun.com/products/archive/index.html>.

Event Management Server

CA WCC supports Event Management using Event Management included with CA NSM and CA Common Services Event Management.

CA Common Services Event Management is installed using the CA Common Components DVD, and is typically installed on a dedicated server.

Note: For information about installing Event Management, see the *CA Common Components Implementation Guide*. For information about installing Event Management included with CA NSM, see the CA Network and Systems Management documentation.

Hardware Requirements

For Event Management hardware requirements, see the *CA Common Components Release Notes*.

Software Requirements

The Event Manager installation requires Microsoft Internet Server, Apache HTTP Server, or Netscape Enterprise Server to be installed and running, so that URLs created as part of the installation are available. Although the Event Manager will function if this requirement is not met, URL-dependent features such as the CA WCC online help will not be available.

CA Workload Automation AE Servers

New functionality of CA WCC r11.3 is supported only with CA Workload Automation AE r11.3.

Hardware Requirements

For CA Workload Automation AE hardware requirements, see the *CA Workload Automation AE Release Notes*.

Software Requirements

The following are the CA WCC requirements for CA Workload Automation AE servers:

- If CA EEM is implemented with CA Workload Automation AE, the CA Workload Automation AE servers and the CA WCC servers must use the same instance of CA EEM.
- If cross-platform scheduling is enabled on the CA Workload Automation AE server, CAICCI must be installed on the CA Workload Automation AE server. CAICCI is a common component, installed using the CA Common Components DVD.
- To enable CA WCC Enterprise Command Line and Forecast functionality with CA Workload Automation AE, you must install the Command Sponsor (also referred to as WCC Command Sponsor) using the CA Workload Automation AE product DVD.

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