

Worldwide Support Team

CA UIM Installation Guide for CABI External (Windows)



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CA confidential and proprietary information

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Overview

There are two deployment options for CA Business Intelligence JasperReports Server (CABI Server). This guide explains how to deploy an external or shared CABI on a Windows system.

Deploying the cabi_external probe in UIM allows a separate CABI Server instance to communicate with CA UIM and allows the instance to be used by other CA Agile Central products. Select this deployment type if you want to use a CABI Server instance that is **NOT** deployed on a CA UIM robot. If you want to share the CABI Server instance with multiple CA Agile Operations products, see <u>Unified Dashboards and</u> <u>Reporting for Infrastructure Management</u>.

CABI Installation Steps - Summary

- 1. Install CABI Server (a.k.a. JasperReports Server) if it is not already installed...
- 2. Deploy and configure the cabi_external probe
- 3. Configure CABI (JasperReports) Server for use with CA UIM

Environment

This section describes the installation environment. The install procedure was tested using the software versions listed below. To download the required software, go to <u>http://support.nimsoft.com</u> and login.

- □ CA UIM v8.51 (unless UIM is already installed)
- □ **cabi_external** probe (**version 3.30**). Note that the cabi_external probe can be installed on a Windows, Linux, or Solaris system. Check the probe support matrix for supported OSes at:

https://docops.ca.com/ca-unified-infrastructure-management/8-5-1/en/files/479577188/485688544/6/1537337301663/Platform_Support_Availability.pdf

- □ On Windows, for the cabi_external probe to be deployed to the robot/hub the following dependencies/packages must be downloaded/exist in the archive:
 - o **robot** v7.80 or higher
 - o java_jre v1.80
 - **uim_core_dashboards_pack** v2.40
 - (Note that ump_cabi 3.30 requires the use of UIM v9.x). ump_cabi 3.20 can be used with UIM v8.5.1
 - **uim_cabi_health_report_pack** v1.3.0
 - **uim_unified_reporter_pack** v1.02
 - uim_cabi_mcs_dashboards_pack v1.00
- ump_cabi v3.2
- □ CABI (JasperReports server v6.43) downloadable from support.ca.com as described in this document

Report packages:

□ Dashboard packages: uim_<technology_name>_dashboards_pack

The dashboard packages are only required if you need to view data for the specific technology. For example, the **uim_aws_dashboards_pack** dashboard package is only required if you must view data for your AWS environment. For a list of available dashboard packages, see <u>CA</u> <u>Business Intelligence with CA UIM</u>

Hardware Requirements

The CABI Server (CA Business Intelligence JasperReports Server) software must be installed on a system with the following minimum resources:

- CPU: 2.8-GHz quad-core processor
- Memory: 8GB RAM (On Windows you need more than 8 GB, e.g., 12-16 GB for PostgreSQL), otherwise the install will hang at 13% and <u>never</u> finish. Note that the defaults for CABI's application and database server are Tomcat and PostgreSQL.
- Disk Size: 100 GB

Environment Requirements

The process of installing CABI external needs the following environment:

 A server instance with the CA Business Intelligence JasperReports Server for Unified Dashboards and Reporting for Infrastructure Management (CABI Server) software. <u>This instance is NOT a CA</u> <u>UIM hub or robot</u>

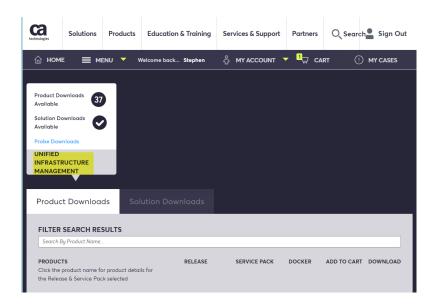
Download required CABI Server software:

<u>https://docops.ca.com/ca-unified-infrastructure-management/8-5-1/en/installing-ca-uim/ca-business-intelligence-with-ca-uim/installing-and-upgrading-ca-business-intelligence-jasperreports-server-with-ca-uim/install-or-upgrade-for-an-external-cabusiness-intelligence-jasperreports-server#InstallorUpgradeforanExternalCABusinessIntelligenceJasperReportsServer-SoftwareRequirements</u>

The ISO file for the External CABI installation must be downloaded from http://support.ca.com

- -> SignIn and click on -> 'Download Management' from the CA Support Menu items
- >Then Search for "CA Unified Infrastructure Management On-Premise (Nimsoft / UIM)"

-> Click on "Unified Infrastructure Management"



Scroll down and click on the link for:

"CA Unified Infrastructure Management Server Installer for POC MULTI-PLATFORM" for the appropriate version of UIM, e.g., 8.5.1.

Then choose-> CA BUSINESS INTELLIGENCE JASPERREPORT SERVER FOR UNIFIED DASHBOARDS AND REPORTING FOR INFRASTRUCTURE MANAGEMENT_WIN.ZIP GEN06095150M.zip

6.3	0	CA BUSINESS INTELLIGENCE JASPERREPORT SERVER FOR UNIFIED DASHBOARDS AND REPORTING FOR INFRASTRUCTURE MANAGEMENT_WIN.ZIP GEN06095150M.zip	Jul 14 2017 11:52AM	<u>+</u>	\bigcirc
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Click on the Cloud icon to download the software.

If it does not start downloading within 30 seconds, try choosing 'Add to Cart.' You may have to use the 'Checkout' to be able to download the file if there is any problem with the download. You may have to wait a bit until the package is ready to be downloaded. A window should prompt you to Save the file.

agies	Solutions	Products	Education & Training	Services & Support	Partners	O Search Sign Ou
ном	е 🔳 ме	ENU 🔻 V	Velcome back Stephen	ဂို MY ACCOUNT 、	CAR	T () MY CASES
PROD	DUCT/COMPO	NENT DOWN	LOADS			
	MULTI-PLATF		ement Server Installer for	All files A	De	iete DOWNLOAD V
Tit	le			File	De	elete Download
SEI RE	BUSINESS IN RVER FOR UN PORTING FOR	IFIED DASHB		GEN06095150M.zip	De	
MA	ANAGEMENT_					
Cheo	ckout		e we need to notify you regardi	ng your download order.The	n click checkout	to begin the process.

The software package may take some time to process but when it is ready you will see a prompt to Save the file.

Check Cart History:

		_					
Ca		Cart Histo	ry				
TODAY'S DO	WNLOADS						
Order	Status	Description				Downloa	d Options
12772443	READY	Zip Download Request			ALTERNATE FTP		

The cabi.zip file should be copied over to the CABI server. UNZIP/extract the files from the CABI.ZIP to a folder.

CABI EXTERNAL Setup Instructions

CABI Server installation prerequisites (GUI-based installs)

Before installing, please review the prerequisites at the following url:

https://docops.ca.com/ca-business-intelligence/6-4-3/en/installing-ca-business-intelligence-jasperreports-server/guiinstallation/prerequisites-to-gui-installation

1. Install the CABI Server (JasperReports server)



After the files are extracted to a folder, rat-click *setup.bat* and choose 'Run as administrator'

CCA. technologies	CA Business Intelligence JasperReports Server
	Copyright @ 2016 CA. All rights reserved

An *InstallAnywhere* window should display. Installation prerequisites will be checked. To avoid any access/permissions issues or exceptions during the install, you should be logged in to the machine and run the install using the built-in Windows Administrator user/account. <u>Note that you may have to disable Windows UAC and reboot if you encounter install problems early in the CABI server install.</u>

The software installation includes:

- An embedded Tomcat web server (default/recommended option)
- An embedded PostgreSQL database (default/recommended option)



When the installation completes, click Done:



To confirm that the installation was successful, in the

CABusinessIntelligence_install_<date/time>.log, you can check the end of the log for the message, e.g.,

Finish: 2018-09-19 11:33:21 DEBUG ReadProperties:64 - Property Value: copying directories 2018-09-19 11:33:21 INFO ComponentInstall:509 -C:\Users\Administrator\Desktop\GEN06095150M\ca_install\GUI_Install\Windows\Disk1\InstD ata\VM\../../../.. 2018-09-19 11:33:21 DEBUG CopyDirectory:51 - Source directory: C:\Users\Administrator\Desktop\GEN06095150M\ca_install\GUI_Install\Windows\Disk1\InstD ata\VM\..\..\..\..\..\apache-ant 2018-09-19 11:33:21 DEBUG CopyDirectory:52 - Destination directory: C:\Program Files\CA\SC\CA Business Intelligence\apache-ant [echo] Post installation completed successfully

BUILD SUCCESSFUL

You can verify the installation by hitting the CABI Server URL. For example:

http://localhost:8080/jasperserver-pro

or

http://<cabi_server_hostname>:8080/jasperserver-pro

If the CABI server is not accessible make sure you check and start the PostgreSQL and Tomcat services if they are not started

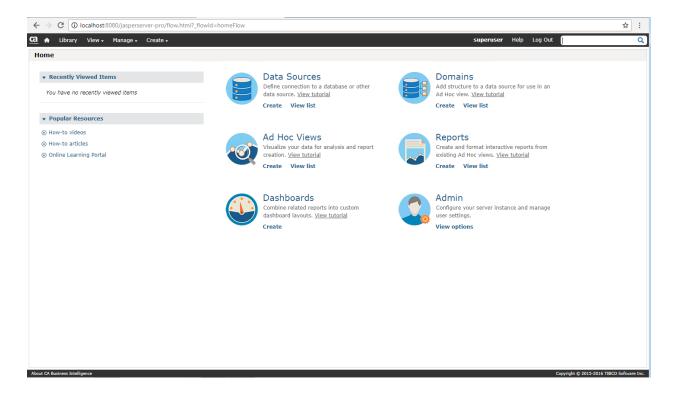
			Services				
View Help							
🖬 🚺 😹 🖸							
al) Convine							
sai) Service	s (Local)						
IDeas Dellas A		Name 🔶	Description	Status	Startup Type	Log On As	
IPsec Policy A	gent	Application Experience	Processes application compatibility cache requests for applicatio		Manual (Trig	Local Syste	
Stop the servic	e	Application Experience	Determines and verifies the identity of an application. Disabling t		Manual (Trig	Local Service	
Restart the sen		Application Information	Facilitates the running of interactive applications with additional		Manual	Local Syste	
		Application Layer Gateway Service	Provides support for 3rd party protocol plug-ins for Internet Con		Manual	Local Service	
Description:		Application Management	Processes installation, removal, and enumeration requests for so		Manual	Local Syste	
	ol security (IPsec)	Background Intelligent Transfer Service	Transfers files in the background using idle network bandwidth	Running	Automatic (D	Local Syste	
supports netw		Background Tasks Infrastructure Service	Windows infrastructure service that controls which background	Running	Automatic	Local System	
authentication		Base Filtering Engine	The Base Filtering Engine (BFE) is a service that manages firewall	Running	Automatic	Local Service	
	, data integrity, data (encryption), and	CA Business Intelligence PostgreSQL	PostgreSQL server 9.4.8 - http://www.postgresgl.org	Running	Automatic	Local Syste	
	on. This service	CA Business Intelligence Tomcat	Apache Tomcat 8.0.14 Server - http://tomcat.apache.org/	Running	Automatic	Local Syste	
	policies created	CA Connection Broker	Manages Connections made to other applications	Running	Automatic	Local Syste	
	Security Policies snap- nand-line tool "netsh	CA DSM r12 Common Application Framework	Provides common services and process control for DSM products.		Automatic	Local Syste	
	stop this service, you	CA DSM 12 Contribut Application run cwork	Provides health monitoring capabilities for ITCM infrastructure	Running	Automatic	Local Syste	
	e network connectivity	CA Message Queuing Server	Provides Messaging Services to other applications	Running	Automatic	Local Syste	
	olicy requires that	Certificate Propagation	Copies user certificates and root certificates from smart cards int		Manual	Local Syste	
	se IPsec. Also, remote of Windows Firewall is	CNG Key Isolation	The CNG key isolation service is hosted in the LSA process. The s	Kunning	Manual (Trig	Local Syste	
	hen this service is	COM+ Event System	Supports System Event Notification Service (SENS), which provid	Running	Automatic	Local Service	
stopped.		COM+ System Application	Manages the configuration and tracking of Component Object	Running	Manual	Local Syste	
		Computer Browser	Maintains an updated list of computers on the network and sup	Running	Disabled	Local Syste	
		Credential Manager	Provides secure storage and retrieval of credentials to users, appl		Manual	Local Syste	
		Cryptographic Services	Provides secure storage and remeval of credentials to datas, appl Provides three management services: Catalog Database Service,	Running	Automatic	Network S	
		DCOM Server Process Launcher	The DCOMLAUNCH service launches COM and DCOM servers i	Running	Automatic	Local Syste	
		Device Association Service	Enables pairing between the system and wired or wireless devices.	Kunning	Manual (Trig	Local Syste	
1		Device Association Service	Enables a computer to recognize and adapt to hardware change		Manual (Trig	Local Syste	
1		Device Install Service Device Setup Manager	Enables the detection, download and installation of device-relat		Manual (Trig	Local Syste	
		DHCP Client	Registers and updates IP addresses and DNS records for this com	Running	Automatic	Local Service	
		Diagnostic Policy Service	The Diagnostic Policy Service enables problem detection, troubl	Running	Automatic (D	Local Service	
		Diagnostic Service Host	The Diagnostic Service Host is used by the Diagnostic Policy Ser	itaning	Manual	Local Service	
		Diagnostic System Host	The Diagnostic System Host is used by the Diagnostic Policy Ser		Manual	Local Syste	
		Distributed Link Tracking Client	Maintains links between NTFS files within a computer or across	Running	Automatic	Local Syste	
1		Distributed Transaction Coordinator	Coordinates transactions that span multiple resource managers,		Automatic (D	Network S	
		DNS Client	The DNS Client service (dnscache) caches Domain Name System		Automatic (T	Network S	
1		Encrypting File System (EFS)	Provides the core file encryption technology used to store encry	iy	Manual (Trig	Local Syste	
		Encrypting the System (EI S)	The Extensible Authentication Protocol (EAP) service provides ne		Manual Manual	Local Syste	
			III				_

Once the services are started and you hit the url, the browser opens the CABI server page:

← → C ① localhost:8080/jasperserver-pro/login.html	סי 🕁 🗄
CA BUSINESS INTELLIGENCE Powered By TIBCO Jaspersoft	Help
Getting Started • How-to videos • How-to articles • Online Learning Portal • Product documentation • Find the right edition for you • Jaspersoft Quick Start Guide	User ID:
What's new in Jaspersoft Version 6? Dashboards: A single web environment for creating visualizations, with a mash-up of Reports, Ad Hoc Views, and web pages MI New JasperMobile Support: View interactive reports and Dashboards from your smartphone or tablet with the JasperMobile app Visualize.js: Embed Reports and Dashboards directly into highly-interactive web pages Expanded Multi-organization Administration: New tools to manage attributes, export/import, and scheduling across multiple organizations	Password: Show locale & time zone Change password Login Need help logging in?
localhost:8080/jasperserver-pro/login.html#	Copyright © 2015-2016 TIBCO Software Inc.

You can then login with the default userid and password.

Userid: superuser Password: superuser



MySQL for CABI Database Only

If you are using MySQL for your CABI Server database, you must change the default memory settings. This database is for the CABI users, reports, and dashboards. Change the following settings so that the CA Business Intelligence dashboard deployment is successful:

- Set max_allowed_packet=32M
- Set innodb_log_file_size=356M
- Set table_definition_cache=2000

Microsoft SQL Server Windows Authentication Only on CA UIM Database

If you are using Microsoft SQL Server Windows Authentication for your UIM Database (not CABI database), the CABI Server system, cabi or cabi_external probe robot, and UMP robot must have Windows operating systems. No requirements exist for matching operating systems if you are NOT using Microsoft SQL Server Windows Authentication.

For more details regarding the use of Windows Authentication, see:

https://docops.ca.com/ca-unified-infrastructure-management/8-5-1/en/installing-ca-uim/ca-business-intelligence-with-cauim/installing-and-upgrading-ca-business-intelligence-jasperreports-server-with-ca-uim/install-or-upgrade-for-an-external-cabusiness-intelligence-jasperreports-server#InstallorUpgradeforanExternalCABusinessIntelligenceJasperReportsServer-SoftwareRequirements

2. Deploy and configure the cabi_external probe

The cabi probes for bundled or external installs, function as a gateway to the CA Business Intelligence JasperReports Server (CABI Server).

Note: As of the writing of this document, the latest cabi_external probe GA version is 3.30.

Follow these steps:

- 1. Verify that the cabi_external probe, uim_core_dashboards_pack, and report packages are in the probe archive
- Deploy these packages on a UIM robot. For more information about how to deploy a probe package, see the <u>Deploy Packages</u> article. The cabi_external probe will turn red in the admin console/IM and a No Restart error appears in the probe log file.

Probe 'cabi external' (command = <startup java>) returns no-restart code (42)

This error is <u>expected</u> behavior. Continue with the next step.

- 3. Open the cabi_external probe via Raw Configure
- 4. Select the *setup* section
- 5. Change the cabi url key value, which is empty by default, to the URL for the CABI Server where the Jaspersoft server is installed. The format is:

http://<cabi server name or IP>:<port>/<webapp> where <webapp> is usually jasperserver-pro.

You can test the url first to make sure you reach the CABI server, and then proceed to edit the kev.

- 6. Choose one of the following steps:
 - If the default superuser account is still in use on the CABI Server, no additional 0 configuration is required
 - If you modified the default superuser account, perform the following steps: 0
 - 1. Enter the username as the value for the key cabi rest user.
 - 2. Create the key cabi_rest_password_cleartext

Then enter the password for the user account as the key value. When the cabi probe restarts, this password is encrypted and the cabi_rest_password_cleartext key is removed.

🔄 setup	Key	Value 🔺	New Section
🗄 🧰 messages	📯 auto_backup_on_import_enabled	yes	
🗄 🚞 startup	📯 wasp_startup_time_in_minutes	10	Delete Section
	🔀 cabi_rest_user	superuser	
	🛠 cabi_default_organization	UIM	New Key
	🛠 synchronize_interval	60	
	🛠 logsize	50000	Edit Key
	🛠 last_cabi_install_status	4	Dalata Kar
	🛠 last_cabi_mode		Delete Key
	🛠 logfile	cabi_external.log	
	📯 cabi_rest_password	nTAwvuqV23jA9h;	
	🛠 cabi_mode	external	
	★ request_retries	2	
	🛠 cabi_db_install_type	auto	OK
	🛠 cabi_database_name	\${UIM_DB}	A 1
	🛠 cabi_url	http://magka04-E(Apply
	Auto_backup_fequency_in_hours	24	Cancel
	🛠 cabi_webapp_name	cabijs 🔹	
			Help

- 3. Click Ok to save your changes
- 4. Cold start the cabi external probe (Deactivate-Activate)
- 5. Verify that the installation is complete

The cabi_external probe might be active, but the install process may not have completed yet. To confirm, go to the cabi external probe log and look for the following messages:

Sep 19 12:36:23:166 [main, cabi external] cabi installed successfully.

. . .

```
Sep 19 12:36:40:625 [UserSynchronizationThread, cabi external] Finished
synchronizing users between UIM and CABI
```

The cabi probe should be green and have a port and a PID.

3. Configure CABI (JasperReports) Server for use with CA UIM

Additional installation steps are required to configure the CABI Server to work with a UIM instance.

- 1. Go to the filesystem of the robot where the cabi_external probe was deployed
- 2. Navigate to ...\Program Files (x86)\Nimsoft\probes\service\cabi_external\config\bin
- 3. Copy the file-> uim-cabi-overlay-installer.jar
 - Add the file to the CABI Server root installation directory. Use the appropriate path for your operating system, e.g., ...\Program Files\CA\SC\CA Business Intelligence
- 4. cd to <CABI_SERVER_Installation_DIR> like the path example above.
- 5. Run the installer on the CABI Server:

jre\bin\java -jar uim-cabi-overlay-installer.jar

Here is an example of the output from the installer:

```
C:\Program Files\CA\SC\CA Business Intelligence>jre\bin\java -jar uim-cabi-
overlay-installer.jar
INFO com.ca.cabi4uim.UimCabi0verlayInstaller : ***************** [Starting]
UTM
Cabi Overlay installer **************
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : 3.3.0
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : verifying cabi buildomatic
settings ...
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : verifying cabi application
server environment ...
INFO com.ca.cabi4uim.common.Cabi4uimUtils : overlaying uim configuration
changes ...
INFO com.ca.cabi4uim.MergeFileVisitorOperation : no operation registered
for merging file extension=jsp so just replacing the files: src=C:\Program
Files\CA\SC\CA Business Intelligence\uim-cabi-overlay-installer-
backup\temp5880302741731852865\all versions\WEB-
INF\decorators\minimalDecorator.jsp, tgt=C:\Program Files\CA\SC\CA Business
Intelligence\apache-tomcat\webapps\jasperserver-pro\WEB-INF\dec
orators\minimalDecorator.jsp
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : backing up the default
master properties file ...
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : running jasper server
command=js-ant refresh-config ...
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : jasper server command
completed with exit code 0
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : Successfully installed UIM
Cabi Overlay changes. Please restart the CABI application server to realize
changes.
```

```
INFO com.ca.cabi4uim.UimCabiOverlayInstaller : ***************** [Stopped]
UIM Cabi Overlay installer ************
```

6. Access Windows Services and restart the CA Business Intelligence Tomcat Service

For more information, see CA Business Intelligence JasperReports Server.

21 September 2018

Note: New packages for predefined reports and dashboards are released periodically. For more information about adding updates to your dashboards, see <u>Add Predefined CA Business Intelligence</u> <u>Dashboard Content</u>.

View Dashboards

View dashboards that exist on the CABI Server

Enter in a browser: http://<CABI_Server_IP or hostname>:<port>/<web_app>

Where **<port>** is the port for the CABI Server Apache Tomcat server instance, and **<web_app>** is the CABI Server web application name. The default port value is 8080 and the default web application name is jasperserver-pro. An example of such a URL is, <u>http://localhost:8080/jasperserver-pro</u>

Enter the username and password to login.

View CABI dashboards in UIM (UMP)

Use this procedure to view the predefined CABI dashboards for CA UIM in UMP. On the robot running UMP complete the following steps:

Update the ump_cabi portlet

When this probe is deployed, <u>confirm</u> the deployment via the robot controller Status window->Installed packages. For example,

🚰 controller: [,	st04-w7a/co 💌
Setup Status	<u> </u>
Robot name danst04-w7a	Op. Sys. type WINDOWS
Robot IP-addr. 141.	Op. Sys. Windows 7 Enterprise Edition. 64-bit
Robot version 7.93 [Build 7.93.9350, Oct 3	
Robot started Sep 21 14:03:04	Robot time is Sep 21 14:03:31
	Robot timezone is Eastern Standard Time
Installed packages Robot environment	Installed packages
Hub connectivity Current HUB Primary HUB Secondary HUB (automatic) OK Cancel Apply Image: Secondary HUB (automatic) K free on C:\ is now 48%, which is below the warnink free on C:\ is now 12%, which is below the warning o spooler (communication error)	uim_core_dashboards_pack ump ump_accountadmin ump_adminconsole ump_cabi ump_cabi ump_cabi ump_cabi ump_cabi uses a constant of the second of th
	Close Refresh

Update the uim_core_dashboards_pack

When this probe is deployed, <u>confirm</u> the deployment via the robot controller->Status window->Installed packages

Installed packages
Cdm
i international
🛓 📺 ······ nisapi_wasp
i international
📋 🛱 👾 uim_core_dashboards_pack
name = uim_core_dashboards_pack
description = CA UIM Core Reports and Dashboards
version = 2.40
build = bf136f8
date = 2017-11-06T15:48:13Z
author = CA
copyright = Copyright © 2016-2017, CA. All rights reserved.
🛨 🐨 generic
i in the second se
i international internation in the second s
📕 🗄 ump_adminconsole
III ⊕ ump_cabi
Close Refresh

Verify that you can view the predefined dashboards as shown below:

Go to the **Unified Dashboards** menu in UMP and select a CA Business Intelligence dashboard. For example, **Unified Dashboards->CA Business Intelligence Dashboard->Summary Dashboard**.

technologies	CA Unified Infrastructu	re Manage	ement						
Home	Unified Dashboards	Reports	Design	Configuration	SLM	Admin Co	onsole	CABI	
UnifiedS	CA Business Intelligence	Summary	Dashboard						
	Big Data	AWS Sumi	mary						
E = =	Application and Server	Azure Sum	nmary						
V 🖸 🎓	Cloud and Virtualization	Docker Su	mmary)etails	Alarms	Maintenance
	Network	Nutanix Su	ummary			Gro	oups		
	Storage	OpenStack	Summary						Name
🕨 🔽 ពី	MCS Groups (12)	SAP Sumn	nary				Applica	ation Discove	ry
💽 ពី	Monitoring Group (0)						Hadoo	p	
-	Operating Systems (0)					MCS G	Groups	
	Geo View						Monito	ring Group	
~ ·								ting Systems	
🔰 💟 🟓 S	Search Results (0)							_ *	

Update the Unified Dashboards Menu

The Liferay Archive (LAR) files that generate the Unified Dashboard menu items in UMP are not updated. This process preserves any customizations that you have made to your LAR files. Use this procedure to update the Unified Dashboards menu for a user or a user group whenever there is a *new* release of <u>UMP</u>.

Follow these steps:

- 1. Download the cabi.lar file to your local system. Obtain the current LAR file from the UMP robot filesystem at:
 - <UIM_installation>/probes/service/wasp/webapps/cabi/lar/cabi.lar
- 2. Log in to UMP as an administrator
- 3. Click Go to, Control Panel on the menu bar
- 4. Click My Pages, and then click Private Pages
- 5. Click Import and select the LAR file
- 6. Expand the Unified Dashboards node in the Private Pages tree and verify that the list contains CA Business Intelligence Dashboards

A Back to My Private Pages			😭 Go to 🔻 📔 administrator (Sign Out)
=	Control Panel administrator My Pages	Private Pages	
Administrator	My Pages		
My Account		at are assigned to you. Depending on your role, you may edit your pages, add pages, or change the li	ook and feel of a page.
1 Administrator's V	Public Pages Private Pages		
Ste Pages Message Boards Blogs Will Tags Categories Potal	Private Pages Private Pages Dashboards CA Business Intelligence Dashboards Big Data P Application and Server Cool and Vitualization	Add Child Page Permissions Details Name (Required) CA Business intelligence Dat Context Languages (0) HTML Title Context Languages (0)	from Page
Portal Users and Organizations Stes Stes Stes Stes Page Templates User Groups Roles Portal Settings Li Custom Fields	> Network > Storage > Reports > Design > Configuration > CnN	Friendly URL Tripe Type Portlet	Advanced Save Cancel

7. Save your changes

8. Clear your browser cache The Unified Dashboard menu contains a section for the CA Business Intelligence dashboards



9. Go to the **Unified Dashboards** menu and select a CA Business Intelligence dashboard. For example, **Unified Dashboards**, **CA Business Intelligence**, **Summary Dashboard**

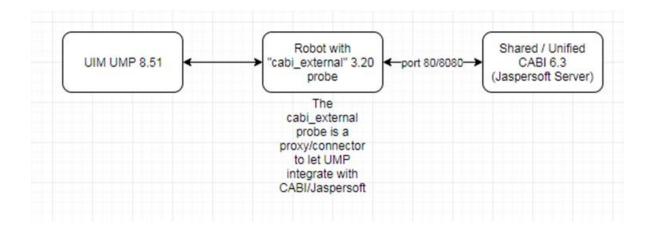
External CABI Server Firewall Rules

External CABI Server Firewall Rules

The following table defines the ports and directions that must be open through a firewall for an external configuration. For additional information, see Firewall Port Reference.

Communication Required	Ports	Direction	Firewall Rules	Details		
cabi (version 3.0) or cabi_external (version 3.2) probe to CABI Server	80 or 443; configurable	Outbound	Allow outbound to CABI Server.	Port 80 by default or port 443 for HTTPS. You can use another configured port value for HTTP or HTTPS. The value depends on your choice during the cabi or cabi_external probe installation. The configurable range of ports is 1 through 65535.		
cabi (version 3.0) or cabi_external (version 3.2) probe to UIM Database	1433 (Microsoft SQL Server);	Outbound	Allow outbound on respective port for UIM database.	The port depends on the database type and configuration.		
	1521 (Oracle);					
	3306 (MySQL)					
External CABI Server	80 or 443; configurable	Inbound	Allow inbound from cabi or cabi_external probe.	Port 80 by default or port 443 for HTTPS. You can use another configured port value for HTTP or HTTPS. The value depends on your choice during the CABI Server installation. The configurable range of ports is 1 through 65535		
UIM Database to cabi (version 3.0) or cabi_external (version 3.2) probe	1433 (Microsoft SQL Server);	Inbound	Allow inbound from cabi or cabi_external probe on respective port for UIM database.	The port depends on the database type and configuration.		
Siz) probe	1521 (Oracle);					
	3306 (MySQL)					

External CABI – Simplified Architecture Overview Diagram



Uninstallation

Note that if you are trying to install CABI external after a failed installation or a failure when trying to switch from CABI-bundled in UIM to CABI external for shared use, you should uninstall CABI and remove any previous failed installation files/probes and the JasperReports Server.

Uninstall External CA Business Intelligence JasperReports Server from CA UIM

CABI (Jasperserver-pro) Installation Troubleshooting

PostgreSQL installation hangs on Windows

If you tried to install on Windows and the Jasperserver installation hung at 13% and did not progress any further, it is due to the fact that PostgreSQL actually requires more than 8 GB RAM for the install process, it requires 12 GB of free memory or higher. If this occurs, do the following:

- Using Task Manager, kill the CABI Server install process
- <u>IMPORTANT</u>: Search for *postgres* and stop ALL PostgreSQL, tomcat and java processes related to PostgreSQL before you try to delete the installation files in the directory listed below. Delete any leftover Postgres, Tomcat, or JAVA (java.exe) related processes
- Additionally, the installation directory, e.g., C:\Program Files\CA\SC\CA Business Intelligence must be <u>empty</u> before you try to install fresh again.

Triggered Directory Path error



If you encounter this error during installation when installing CABI on Windows:

Try copying the CABI installation folder you created where you extracted the files, to another location, e.g., the Desktop and run it again and it should avert the error.

Error: Could not find cabi probe.

If you encounter this error in UMP when trying to access the Summary Dashboard->

Unified Dashboards->CA Business Intelligence Dashboard->Summary Dashboard

2	💿 Add 🔻 🛛 🥜 Mana	nge 🔻							
	CA Unified Infrastructure Management								
	Home Unified Da	ashboards	Reports	Design	Configuration	SLM	Admin Console	CABI	
	Summary Dashboard								
	Dashboard Path Default Alarm State Default Time Range Default Minimum Alarm Default Top N Static Filters	CABI Welco							

Open the wasp probe and add a key name *cabi* and the value should be set as the NimBUS address of the cabi_external probe, e.g., /<domain>/<hub>/<robot>/cabi_external

UMP CABI Summary Dashboard is not Loading



Make sure the correct version of ump_cabi, e.g., ump_cabi v3.20, not 3.30, has been deployed to the UMP robot.

UMP Summary Dashboard remains in a loading state and throws an error

No dashboard found with path: /public/ca/UIM/dashboards/common/uim_summary

Click Edit Dashboard button to create dashboard or click Options -> Preferences to update path

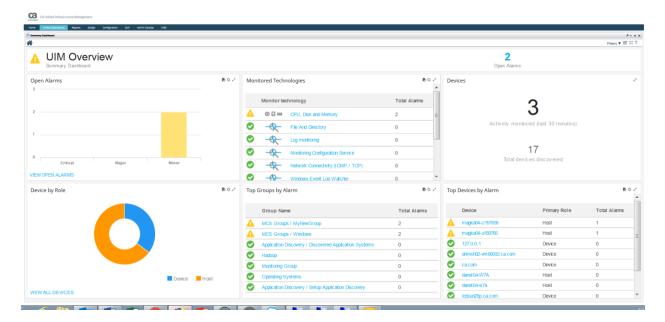
Notice the UIM is in uppercase, this is a known case-sensitivity issue, the path to the dashboard as shipped out of the box contains /public/ca/UIM and should be /public/ca/uim. Select the CABI portlet preferences -> Wait for the Dashboard Path drop-down to be available -> Open the drop-down menu and select: UIM Summary (/public/ca/uim/dashboards/common/uim_summary). Save the changes and retest the issue.

ca

CA Unified Infrastructure Management

Home	Unified Dashboards	Reports	Design	Configuration	SLM	Admin Console	CABI			
Summar	Summary Dashboard									
CABI URL (full) http://maqka04-e3085:8080/jasperserver-pro										
Das	hboard Path UIM Summ	nary (/public/ca	a/uim/dashboa	ards/common/uim_s	ummary)		•			
Default	Alarm State Open Alar	ms 💌								
Default	Time Range 1 Hour	•								
Default Mini	mum Alarm Minor									
D	efault Top N Top 10	•								
9	Static Filters {}									
Dyn	amic Filters									
	Save									
	Save									

Once you Save the change (once its successful), and Return to the full page, it will display the dashboard.



Alternatively, if the above solution does not work:

https://comm.support.ca.com/kb/all-users-are-unable-to-display-the-cabi-summarydashboards/kb000075088

The uim.jks java keystore was out of sync between the cabi probe and Tomcat. Copy the cabi probes' version and overwrite the apache-tomcat's version and cycle CABI (Stop/Start CABI).

CABI Technical Document Index (CA Business Intelligence for CA UIM)

An index of several CABI Technical documents (Knowledge Base Articles), can be found at the link below.

https://comm.support.ca.com/kb/cabi-technical-document-index-ca-business-intelligence-for-cauim/KB000107623

For other information and details on installation and/or upgrading CABI, or installing CABI as a non-administrative user, please refer to this url:

https://docops.ca.com/ca-business-intelligence/6-4-3/en/installing-ca-business-intelligence-jasperreports-server