



IBM Administration Runtime

Expert for i

Frequently Asked Questions

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Table of contents

[General](#)

What does ARE stand for?

[Install and startup](#)

How do I access the Application Runtime Expert Web user interface?

What Web browsers are supported by the ARE Web user interface?

What product and PTF dependencies does the Application Runtime Expert have?

Do I need any special authorities to sign in to the Web user interface?

How do I know what version of the ARE Web user interface I am using?

[Deployment Template Editor](#)

How do I download my template so that I can move it to other systems?

[Scripts](#)

How do I verify a system using the shell script interface to ARE?

What report files get generated when I use the shell script to verify a system?

[Support](#)

When I access the ARE Web user interface URL, I get an error 500

General

What does ARE stand for?

ARE is the acronym for the IBM Administration Runtime Expert for i.

Install and startup

How do I access the Application Runtime Expert Web user interface?

First, ensure that the ARE application server has been started. The server can be started using this command:

```
QSYS/STRTCPSVR SERVER(*HTTP) HTTPSVR(IBMARE)
```

The server typically takes less than a minute to start, but it may take several minutes depending on system speed and available memory. You will know the server is active when four IBMARE jobs are active in the QHTTPSVR subsystem:

Opt	Subsystem/Job	Current User	Type	CPU %	Function	Status
—	QHTTPSVR	QSYS	SBS	.0		DEQW
—	IBMARE	QTMHHTTP	BCH	.0	PGM-QZHBMAIN	SELW
—	IBMARE	QTMHHTTP	BCI	.0	PGM-QZSRLOG	SIGW
—	IBMARE	QTMHHTTP	BCI	.0	PGM-QZSRHTTP	SELW
—	IBMARE	QWEBADMIN	BCI	.0	JVM-/qibm/prod	RUN

Once the server is active, the ARE Web user interface can be accessed via this URL:

```
http://system_name:12401/are
```

where "system_name" is the name of the IBM i system where the ARE application server is running.

What Web browsers are supported by the ARE Web user interface?

The ARE Web user interface is accessible using a modern Web browser. The following Web browsers are supported:

- Mozilla Firefox 3.5 or newer (recommended)
- Microsoft Internet Explorer 7 or 8

Note: The Microsoft Internet Explorer 6 Web browser is not supported. Certain features in the IBM Administration Runtime Expert for i Web user interface may not function correctly when using the Microsoft Internet Explorer 6 Web browser.

What product and PTF dependencies does the Application Runtime Expert have?

A full list of the product dependencies and required PTF levels for the ARE product can be found [here](#).

Do I need any special authorities to sign in to the Web user interface?

Yes. You need to sign in with a user profile that has, at a minimum, *ALLOBJ special authority. This level of authority is required in order to ensure you have sufficient authority to access resources on the system whose attributes you wish to include in templates built using the ARE Web interface.

How do I know what version of the ARE Web user interface I am using?

The version is displayed in the lower right corner of the Deployment Template Editor home page:

IBM Administration Runtime Expert for i IBM.

Deployment Template Editor

The Deployment Template Editor allows users to create, edit, import and export deployment templates. The editor enables users to customize their templates. Templates created, imported, or edited using this editor can be used to verify systems using the 'Launch console' button below.
[Learn more...](#)

Manage templates:

Name	Last built by
<input checked="" type="radio"/> MyTemplate1	

Create ▾ Import ▾ Actions ▾

Launch console

V 3.2.7

Deployment Template Editor

How do I download my template so that I can move it to other systems?

From the Deployment Template Editor home page, select the template you wish to download, and click on the Actions button. One of the "Actions" options is Export which, when selected, will prompt you to save the template jar file to your system.

Scripts

How do I verify a system using the shell script interface to ARE?

The script to invoke the ARE and verify a system using a template is located in the following directory: /QIBM/ProdData/OS/OSGi/healthcheck/bin/. The script name is runARE.sh. This script is available, with the [correct PTF levels](#), on IBM i 5.4 and newer releases.

To use this script, the template you want to use should be on the system you wish to verify. Once the template is on the system, you can run ARE and perform the verification using the template using the following command:

```
/QIBM/ProdData/OS/OSGi/healthcheck/bin/runARE.sh -template template_name -outFile  
output_file_name
```

Note that the template name must be the fully qualified IFS path name to the template.

What report files get generated when I use the shell script to verify a system?

There are three reports that will be generated: summary, detailed, and XML. The names of these reports are based on the output file name specified by the -outFile parameter provided to the runARE.sh script. For example, if the output file parameter was:

-outFile verify.out

Then the three report files generated would be

- verify.out – Detailed report, which contains the result of every attribute checked
- verify.out.summary.txt – Summary report, which contains only the checks that resulted in problems being detected and reported.
- verify.out.xml – XML report, which contains the same level of detail as the detailed report, but in an XML format.

Support

When I access the ARE Web user interface URL, I get this following error:

Error 500: Filter [MasterFilter]: com.ibm.are.gui.MasterFilter was found, but is missing another required class.

This error is caused by a missing component, most likely the ARE Core. Ensure that the necessary HTTP Group PTF is on the system and is in Installed status. To view Group PTFs and their install status, use the WRKPTFGRP CL command. The list of required products and PTF levels can be found on the [requirements](#) page.

Why are individually specified PTFs not re-displayed in the ARE GUI when updating a PTF Verifier Collection in an ARE template?

When updating a PTF Verifier Collection, individually selected and/or specified PTFs are not re-displayed in the ARE GUI in order to improve the performance with loading the PTF listing page. Loading the entire PTF list (with custom selections) for a server at one time was found to be very expensive to the load time of the page. As a result, the ARE GUI does not re-display individually selected and/or specified PTFs when updating a PTF Verifier Collection in an ARE template. Users will be required to re-select and/or re-specify the individual PTFs each time after clicking on the Update button for your PTF Verifier Collection. After this is done, your new PTF Verifier Collection changes can then be saved and built into the ARE template and used to verify a system.



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Systems and Technology Group
Route 100
Somers, New York 10589

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When referring to storage capacity, 1 TB equals total GB divided by 1000; accessible capacity may be less.

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