

Infrastructure Administration

IGS ZeRo Services Deployment

Infrastructure Administration

1.1 Edition

Adrien Farkas

Revision History

Revision	Date	Author	Reference
1.0	31.3.2023	A. Farkas	First initial release
1.1	26.5.2023	A. Farkas	Added codeBase grant section

Table of Contents

Preface	1
Audience	1
Reference Documents	1
Confidentiality	1
Typographical Conventions	1
Symbol Conventions	1
Deployment Guide	3
Modifying CodeBase grants	3
WAR Archive Deployment	3
BKA Proxy Configuration	3
Creating group in OUD	3
Creating technical users in OUD	4

Preface

Audience

This guide is intended for resource administrators and target system integration teams.

Reference Documents

For information about installing and using Oracle Identity and Access Management, visit the following Oracle Help Center page:

- <https://docs.oracle.com/en/middleware/idm/suite/12.2.1.3/index.html>

Confidentiality

The material contained in this documentation represents proprietary, confidential information pertaining to Oracle products and methods.

The audience agrees that the information in this documentation shall not be disclosed outside of Oracle, and shall not be duplicated, used, or disclosed for any purpose other than to evaluate this procedure.

Typographical Conventions

The following table describes the typographic changes that are used in this document.

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Symbol Conventions

The following table explains symbols that might be used in this document.

Symbol	Meaning
[]	Contains optional arguments and command options.
{ }	Contains a set of choices for a required command option.

Symbol	Meaning
<code>\${ }</code>	Indicates a variable reference.
<code>-</code>	Joins simultaneous multiple keystrokes.
<code>+</code>	Joins consecutive multiple keystrokes.
<code>></code>	Indicates menu item selection in a graphical user interface.

Deployment Guide

To deploy the service the following high-level steps need to be followed:

- [Modifying CodeBase grants](#)
- [Deploying WAR archive to OIM WebLogic instances](#)
- [Configuring proxy to pass-through new end-point](#)
- [Creating group in OUD](#)
- [Creating technical users in OUD](#)

Modifying CodeBase grants

- Identify location of `oimclient.jar` within the OIM `MW_HOME`, for the code block below the location is `/opt/oracle/product/fmw/12.2.1/idm/server/client/oimclient.jar`.
- For each of the WebLogic Server instances where the WAR file is to be deployed modify the `${MW_HOME}/wlserver/server/lib/weblogic.policy` file as follows:

```
grant codeBase "file:/opt/oracle/product/fmw/12.2.1/idm/server/client/oimclient.jar" {  
    permission oracle.security.jps.JpsPermission "IdentityAssertion";  
};
```

- Restart the appropriate OIM instance.

WAR Archive Deployment

- Update local SVN Bundeskriminalamt12c/ExternalIdentityManagement/IdentityService/zeroService work directory
- For each of the WebLogic Server instances where the WAR file is to be deployed
 - Log in to WebLogic Server console as a member of **Deployers** or **Administrators** group.
 - Select **Deployments** in the **Domain Structure** menu.
 - Click **Install** button.
 - If the WAR archive is already available on the server filesystem navigate to **bka-zero-service.war** file, otherwise select **Upload your file(s)** link and upload the **IdentityService/zeroService/lib/bka-zero-service.war** file from your local SVN work directory.
 - Select **Install this deployment as an application** and click the **Next** button.
 - Select the **oim** target server (or select the entire OIM cluster, if applicable).
 - On the next screen, don't change any options and click **Finish** button.
 - Back on the **Summary of Deployments** screen the **bka-zero-service** application should now be visible and in **Active** state.

BJA Proxy Configuration

The details will be added but as a result of this step the `/igs/zero/v1/` endpoint should be available from the BJA environment and not protected by OAM. This can be confirmed by accessing `/igs/zero/v1/application.wadl` URI and WADL XML contents should be displayed.

Creating group in OUD

The application assumes group principal names to be:

- `zero_admin`
- `zero_viewer`

If the names differ from the naming convention used throughout BKA OIM deployment the **WEB-INF/weblogic.xml** file needs to be modified accordingly and the application redeployed.

The actual OUD location for the groups should follow all BKA IAM conventions in place, for the application only the **group name** (`cn` attribute) is important.

Creating technical users in OUD

After the groups are created one or more user needs to be created and made member of these groups. For the time being, only `zero_viewer` group member will be used.

The user should have password set according to the BKA IAM policies and the user name (`uid` attribute) and password must be made known.

The actual OUD location for the user(s) should follow all BKA IAM conventions in place, for the application only the **user name** (`uid` attribute) is important.