IBM Application Discovery Configuration
Server V5.0.5

User Guide
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Chapter 1. Accessibility Features for IBM Application Discovery

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Overview

IBM® Application Discovery includes the following major accessibility features:

- Keyboard-only operation
- Operations that use a screen reader

IBM Application Discovery uses the latest W3C Standard, WAI-ARIA 1.0 (www.w3.org/TR/wai-aria/), to ensure compliance with US Section 508 (www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) and Web Content Accessibility Guidelines (WCAG) 2.0 (www.w3.org/TR/WCAG20/). To take advantage of accessibility features, use the latest release of your screen reader and the latest web browser that is supported by IBM Application Discovery.

The IBM Application Discovery online product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described in the Accessibility section of the IBM Knowledge Center help (https://www.ibm.com/support/knowledgecenter/en/about/releasenotes.html).

Keyboard navigation

This product uses standard navigation keys.

Interface information

For alternative installation using Command Line Installation (CLI), refer to section Alternative Installation for ADDI Using CLI in IBM Application Discovery Installation and Configuration Guide.

The IBM Application Discovery user interfaces do not have content that flashes 2 - 55 times per second.

The IBM Application Discovery web user interface relies on cascading style sheets to render content properly and to provide a usable experience. The application provides an equivalent way for low-vision users to use system display settings, including high-contrast mode. You can control font size by using the device or web browser settings.

The IBM Application Discovery web user interface includes WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

Related accessibility information

In addition to standard IBM help desk and support websites, IBM has a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services:

TTY service
800-IBM-3383 (800-426-3383)
(within North America)

For more information about the commitment that IBM has to accessibility, see IBM Accessibility (www.ibm.com/able).
Chapter 2. Introduction

Following is a short description of **IBM Application Discovery Configuration Server** and its main functions.

**IBM Application Discovery Configuration Server** ensures that the installation parameters are consistent throughout the different components of **IBM Application Discovery** by storing them in a central location, in a scalable and fail-safe manner.

**IBM Application Discovery Configuration Server** also allows the system administrator to manage the shared resources publishing and to coordinate the access to the shared resources by creating workspaces and user groups.

When dealing with a suite of applications that work together over a network, a problem that arises often is how to identify applications that belong to separate installations. Simply deploying every parallel installation to separate networks is not always possible, therefore, the applications belonging to the same installation must be able to locate each other and the shared resources without interfering with applications from other installations. In **IBM Application Discovery Configuration Server**, such an installation is called "environment". One **IBM Application Discovery Configuration Server** instance can manage one or several environments. To each new environment, a blank default configuration and a default workspace are automatically associated.

A configuration that is defined in **IBM Application Discovery Configuration Server** holds the installation parameters for **IBM Application Discovery Analyze Servers** and **IBM Application Discovery GraphDB**. General parameters can also be configured for reports and Rule-based reports.

A workspace is a collection of projects to which the administrator can grant access to the users of **IBM Application Discovery**. Within an environment, the administrator can create several workspaces. A workspace can contain several related projects, as, for example, when one needs to generate a cross analysis against several projects, one can group these projects in a workspace.

User groups can be defined in **IBM Application Discovery Configuration Server**. The administrator can then grant access rights to a specific workspace for a group of users. User groups can be populated by adding individual users or by importing user lists.

Users can be either added individually or imported from user lists.

**Important:** **Configuration Server** cannot be opened and used from another machine. It can only be opened and used from the machine on which it was originally installed.

**IBM Application Discovery High Level Architecture Overview**

A brief overview of the high level architecture of **IBM Application Discovery** suite.

The diagram below illustrates **IBM Application Discovery** high-level architecture and the relationships among the different components of the suite.
Below is a brief description of the relationships among the different components of IBM Application Discovery – IBM AD suite of products.

IBM AD Configuration Server ensures the consistency of the installation parameters throughout an installation and allows the system administrator to manage user access to workspaces.

IBM AD Build uses data from mainframe systems to build projects.

IBM AD Build uses AD Connect for Mainframe to bring data from mainframe systems.

IBM AD Validation Service verifies that all data brought from the mainframe systems is valid and ready to be compiled on the mainframe.

IBM AD GraphDB Service starts the OrientDB server so that IBM AD Analyze can connect to OrientDB repository and use the data found there to generate the graphs.

IBM AD Batch Server imports data from the relational database repository into the GraphDB (OrientDB) repository. It also automates processes such as report generation and indexing. Manages several critical
clients’ configurations such as the creation of the annotations database and the reports configuration which must be performed before starting **IBM AD Analyze Client**.

**IBM AD Analyze** analyzes mainframe projects (from **IBM AD Build**) and other types of projects (Java™, C, etc.) and displays the results of the analysis in graphs, in reports or in Usage analyses.

**IBM AD Analyze Client** uses zOS Explorer/CARMA to securely connect to remote mainframe systems and access/open files which it can then analyze.

**IBM AD Web Service** collects the data provided by Web Service Metrics component and prepares it for delivery.

**Web Service Metrics** component generates input data for **IBM AD Web Service**.

**Terms And Conventions**

The following terms and conventions are used:

- Commands are printed as shown.
- Chapter references are indicated as shown. For page numbers, refer to the Table of Contents.
- File references are printed as shown.
- Button names and options/functions within a dialog box are printed as shown.
Chapter 3. Tasks

Typical tasks that can be performed in IBM Application Discovery Configuration Server include: defining an environment, defining a workspace, defining the details of the connection to a relational database server, defining a configuration, adding a user, adding a user group, importing users into a user group, adding a project to a workspace, granting access to a workspace, assigning a default configuration to an environment, and assigning a default workspace to an environment.

Configuring an IBM Application Discovery Installation

Follow these steps to configure an IBM Application Discovery installation.

About this task
To configure an IBM Application Discovery installation in IBM Application Discovery Configuration Server, the following sequence of steps has to be performed.

Procedure
1. Fill in the Build Client configuration page: Project paths and Download from Mainframe paths.
2. Add an environment. When an environment is created a default workspace is automatically created and associated to that environment. Also, a default blank configuration is created and associated by default to the new environment.
3. Set the parameters for the default configuration. A configuration holds installation parameters for the following components:
   - IBM Application Discovery Analyze Servers.
   - IBM Application Discovery GraphDB.
   Also, general parameters can be set for the reports and the Rule-based reports but these parameters can also be set at a later moment.
4. Add the connection parameters for the relational database server.
5. Add a user group.
6. Import users into a user group.
7. Grant access to the users in the user group to the default workspace.
   Important: It is highly recommended that a backup policy is in place for IBM Application Discovery Configuration Server.

Filling the Build Client Configuration Page

About this task
In order for Build Client to work properly, please add the required paths before “Adding an Environment” on page 8.

Procedure
1. Fill in all the paths.
2. Make sure you add the synchronization configuration file name in the path for members synchronization configuration file path.
Adding an Environment

Learn how to add an environment to a configuration server in IBM Application Discovery Configuration Server.

Before you begin
Make sure you have a working Internet connection.

About this task
This task is step 1 of configuring an IBM Application Discovery installation through IBM Application Discovery Configuration Server, adding an environment to a configuration server.

Procedure
1. To access IBM Application Discovery Configuration server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.
2. When IBM Application Discovery Configuration Server is installed, a default configuration server is created. This server is displayed in the Configuration Servers page as "localhost" followed by the default communications port. Click on localhost server name. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Click Add Environment.

4. The Add Environment page is displayed.

Enter the following information:

• **Name**, enter a name for the new environment.
• **Description**, enter an appropriate description for the new environment.
• Click **Save**. The new environment is displayed in the Environments list under the selected server.

When a new environment is created, a default workspace is also created and automatically attached to the new environment. The default workspace is where all IBM Application Discovery Build projects are available.

**Important:** New projects created in IBM Application Discovery Build are visible in the default workspace. The projects are published in the environment when they are created in the IBM Application Discovery Build application. If you delete the environment where the projects are published, you will not be able to work on these projects anymore until they are rebuilt.

**What to do next**
Set the parameters for the default blank configuration that is automatically associated to the new environment.

**Setting the Parameters for the Default Configuration**
Learn how to set the parameters for the default configuration in IBM Application Discovery Configuration Server.

**Before you begin**

• Make sure you have a working Internet connection.
• Add a configuration server.
• Add an environment to the configuration server.

**About this task**
This task is step 2 of configuring an IBM Application Discovery installation through IBM Application Discovery Configuration Server, setting the parameters for the default configuration. A configuration holds the installation parameters for IBM Application Discovery Analyze Servers and IBM Application Discovery Build.
Discovery GraphDB. Also, a configuration can contain general parameters for the reports generated in IBM Application Discovery Analyze client and for the Rule-based report analysis.

Procedure

1. To access IBM Application Discovery Configuration server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined the environment for which you want to define a configuration. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Select the environment for which you want to define a configuration. From the options available for the selected environment, select Configurations.

4. The Configurations page is displayed. A default blank configuration is automatically created when an environment is created. Click DEFAULT to display the options available for the default configuration.

5. The DEFAULT configuration page is displayed as in the following image.

6. Select the available options to enter the connection details for each of the components listed to the left of the page.

What to do next
Enter the parameters for each of the components listed under the default configuration.
Configuring IBM Application Discovery Analyze Servers

How to configure IBM Application Discovery Analyze Servers in IBM Application Discovery Configuration Server.

Before you begin

• Add an environment to the configuration server.
• Add a configuration.

About this task

Analyze Servers configuration is part of the IBM Application Discovery installation configuration and consists of configuring the connection details for IBM Application Discovery Analyze Server component.

Procedure

1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined the environment for which you define the Analyze Servers configuration. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Select the environment for which you want to define the Analyze Server configuration. From the options available for the selected environment, select Configurations.

4. The Configurations page is displayed. Select the Default configuration where you want to add the Analyze server connection details.

5. The parameters that can be defined for the selected configuration are displayed in the list to the left of the page. Select Analyze Servers.

6. The Analyze Servers page is displayed as in the following image.
Allow overwrite option is selected by default. Global settings (connection parameters for servers and databases, and reports settings) are set from IBM Application Discovery Configuration Server. These settings are visible in IBM Application Discovery Analyze Client in Window > Preferences > Application Discovery > Global Settings and apply to all IBM Application Discovery Analyze Client users. If Allow Overwrite is selected, an IBM Application Discovery Analyze Client user can go to Window > Preferences > Application Discovery > Local settings > General settings and set different parameters for his or her computer. If Allow Overwrite option is not selected, local settings are not taken into account.

Click Edit and then enter the following information:

- **Host**, enter the host name or the IP of the computer where IBM Application Discovery Analyze Server is installed.
- **RMI Registry port**, enter the RMI registry port for the Analyze Server. The default value is 1099.
- Click **Add Analyze Server** to add it to the list of available servers. Select it to mark it as the default Analyze server then click **Save** to save the Analyze Server parameters.

What to do next
Configure the OrientDB connection parameters.

**Configuring IBM Application Discovery Reports**
Learn how to configure the information that is displayed on the first page of the reports generated in IBM Application Discovery Analyze Client.

**Before you begin**
- Add an environment to the configuration server.
- Add a configuration.
About this task

The Reports configuration consists of determining what information is displayed on the first page of the reports generated in IBM Application Discovery Analyze Client. Also, you can set the company logo that is to be used in all the generated reports.

Procedure

1. To access IBM Application Discovery Configuration server, select Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined the environment for which you define the Reports configuration. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Select the environment for which you want to define the Reports configuration. From the options available for the selected environment, select Configurations.

4. The Configurations page is displayed. Select the Default configuration where you want to add the Reports information.

5. The parameters that can be defined for the selected configuration are displayed in the list to the left of the page. Select Reports.

6. The Reports page is displayed as in the following image.
Allow overwrite option is selected by default. Global settings (connection parameters for servers and databases, and reports settings) are set from IBM Application Discovery Configuration Server. These settings are visible in IBM Application Discovery Analyze Client in Window > Preferences > Application Discovery > Global Settings and apply to all IBM Application Discovery Analyze Client users. If Allow Overwrite is selected, an IBM Application Discovery Analyze Client user can go to Window > Preferences > Application Discovery > Local settings > General settings and set different parameters for his or her computer. If Allow Overwrite option is not selected, local settings are not taken into account.

Enter the following information:

- **Owner**, enter the name of the user who generates the reports.
- **Organization**, enter the name of your organization.
- **Organization role**, enter the role of the user within the organization.
- **Activate view**, if this option is selected, in IBM Application Discovery Analyze Client, AD Reports view is displayed automatically on top of the current view when the report generation process is finished. If this option is not selected, the user has to check AD Reports view to see if the report generation process is finished.
- Click **Save**.

7. To add the logo image for the reports, from the Reports page select Attachments tab. Click Add attachment and select the file that contains the logo image. *.PNG and *.GIF formats are supported. A preview of the selected file is displayed. Click **Save** to save the reports settings.

**What to do next**
Configure the Rule based reports parameters.

**Configuring Rule Based Reports**
Learn how to load the rules files that are used to generate the Rules-based reports in IBM Application Discovery Analyze Client.

**Before you begin**
- Add an environment to the configuration server.
- Add a configuration.

**About this task**
The Rule based configuration consists loading a file that contains the rules to be used when the Rule based reports are generated in IBM Application Discovery Analyze Client. The Rules file can be loaded either from IBM Application Discovery Configuration Server or from IBM Application Discovery Analyze Client. Also, the custom rules encoding can be specified. An example of a Rules file is available in IBM Application Discovery Analyze Client and Server User Guide, in Appendix 2: Rules Files Example for Rule Based Analysis.

**Procedure**
1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of the IBM Application Discovery Configuration Server page is displayed as in the following image.
2. From the available configuration servers, select the server where you defined the environment for which you define the Rule based reports configuration. From the options that are displayed under the selected server, click **Environments**.

3. The Environments page is displayed. Select the environment for which you want to define the Rule based reports configuration. From the options available for the selected environment, select **Configurations**.

4. The Configurations page is displayed. Select the Default configuration where you want to add the Rule based reports settings.

5. The parameters that can be defined for the selected configuration are displayed in the list to the left of the page. Select **Rule based**.

6. The Rule based (reports) page is displayed as in the following image.

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**Allow overwrite** option is selected by default. Global settings (connection parameters for servers and databases, and reports settings) are set from **IBM Application Discovery Configuration Server**. These settings are visible in **IBM Application Discovery Analyze Client** in **Window > Preferences > Application Discovery > Global Settings** and apply to all **IBM Application Discovery Analyze Client** users. If **Allow Overwrite** is selected, an **IBM Application Discovery Analyze Client** user can go to **Window > Preferences > Application Discovery > Local settings > General settings** and set different parameters for his or her computer. If **Allow Overwrite** option is not selected, local settings are not taken into account.

From the **Properties** tab, select one of the Custom Rules Encoding options available.
To add the rules file, select the Attachments tab and then click Add attachment. Select the Rules file then click Save.

Note: The custom rules file must be archived in *.zip format.

Configuring the Graph Database
Learn how to configure IBM Application Discovery GraphDB in IBM Application Discovery Configuration Server.

Before you begin
- Add an environment to the configuration server.
- Add a configuration.

About this task
The graph database configuration is part of the IBM Application Discovery installation configuration and consists of configuring the connection details for IBM Application Discovery GraphDB component. If the graph database connection details are not configured, some of the analyses in IBM Application Discovery Analyze are not be available.

Procedure
1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

![Configuration Server](image)

2. From the available configuration servers, select the server where you defined the environment for which you define the graph database configuration. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Select the environment for which you want to define the graph database configuration. From the options available for the selected environment, select Configurations.

4. The Configurations page is displayed. Select the Default configuration where you want to add the connection details.

5. The parameters that can be defined for the selected configuration are displayed in the list to the left of the page. Select Graph Database.

6. The Graph Database page is displayed as in the following image.
Allow overwrite option is selected by default. Global settings (connection parameters for servers and databases, and reports settings) are set from IBM Application Discovery Configuration Server. These settings are visible in IBM Application Discovery Analyze Client in Window > Preferences > Application Discovery > Global Settings and apply to all IBM Application Discovery Analyze Client users. If Allow Overwrite is selected, an IBM Application Discovery Analyze Client user can go to Window > Preferences > Application Discovery > Local settings > General settings and set different parameters for his or her computer. If Allow Overwrite option is not selected, local settings are not taken into account.

Enter the following information:

- **Host**, enter the host name or the IP of the computer where IBM Application Discovery GraphDB is installed.
- **Port**, this field is automatically completed by the application with the default value. Modify if applicable.
- **Username** and **Password**, enter the root username and the password that were used to activate the GraphDB after installation. For details, see IBM Application Discovery Installation and Configuration Guide.
- Click **Save** to save the parameters.

**Configuring the Connection to AD Catalog**

**Before you begin**

- Add an environment to the configuration server.
- Add a configuration.

**About this task**

Learn how to configure **AD Catalog Webservice** in IBM Application Discovery Configuration Server. If you want to analyze APIs and services defined in **zOS Connect** you should specify here the settings to access Catalog's webservice to be used in the Analyze Client.
Procedure

1. To access **IBM Application Discovery Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server**. The main page of **IBM Application Discovery Configuration Server** is displayed as in the following image.

![Configuration Server](image)

2. From the available configuration servers, select the server where you defined the environment for which you define the AD Catalog configuration. From the options that are displayed under the selected server, click **Environments**.

3. The Environments page is displayed. From the options available for the selected environment, select **Configurations**.

4. The **Configurations** page is displayed. Select the **DEFAULT** configuration.

5. The parameters that can be defined for the selected configuration are displayed in the list to the left of the page. Select **Catalog**.

6. The "**AD Catalog webservice configuration**" page is displayed as in the following image.
Enter the following information:

- **Allow overwrite**: If checked, the users connected to the current AD Configuration Server will be able to use own settings, configured from the Eclipse client.
- **Host**: Expects the IP of the machine where AD Catalog is installed.
- **Port**: Expects the port of the machine where AD Catalog is installed.
- **HTTP protocol**: Offers two choices (HTTP or HTTPS for secure connections).
- **Authentication**: offering two choices (No authentication or Basic Authentication). If Basic Authentication option is checked, Username, Password and Show password checkbox must be used for authenticating.

**Configuring the Connection to AD Audit**

**Before you begin**

- Add an environment to the configuration server.
- Add a configuration.
About this task
Learn how to configure the AD Audit web service in IBM Application Discovery Configuration Server.

Procedure
1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined the environment for which you define the AD Audit configuration. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. From the options available for the selected environment, select Configurations.

4. The Configurations page is displayed. Select the DEFAULT configuration.

5. The parameters that can be defined for the selected configuration are displayed in the list to the left of the page. Select Audit.

6. The "AD Audit webservice configuration" page is displayed as in the following image.

Enter the following information:
- **Allow overwrite**: If checked, the users connected to the current AD Configuration Server will be able to use own settings, configured from the Eclipse client.
- **Host**: Expects the IP of the machine where AD Audit is installed.
- **Port**: Expects the port of the machine where AD Audit is installed.
- **HTTP protocol**: Offers two choices (HTTP or HTTPS for secure connections).
- **Authentication**: offering two choices (No authentication or Basic Authentication). If Basic Authentication option is checked, **Username**, **Password** and **Show password** checkbox must be used for authenticating.

### Adding a Relational Database Server
Learn how to add a relational database server to an environment in IBM Application Discovery Configuration Server.

### Before you begin
- Make sure you have a working Internet connection.
- Add an environment to the configuration server.

### About this task
This task is step 3 of configuring an IBM Application Discovery installation through IBM Application Discovery Configuration Server, adding a relational database server to an environment. This step is important because it tells IBM Application Discovery Configuration Server to which relational database server to connect so that it can correctly configure the connection between IBM Application Discovery Build and IBM Application Discovery Analyze. The relational database server defined here is where all project data is stored.

### Procedure
1. To access IBM Application Discovery Configuration server, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

![Configuration Server](image)

2. From the available configuration servers, select the server where you defined the environment for which you want to define the connection parameters for the relational database server. From the options that are displayed under the selected server, click **Environments**.
3. The Environments page is displayed. From **Environments**, click the environment for which you want to define the relational database server. A list of parameters that can be defined for the selected environment is displayed. Click **Relational database servers**.
4. The **Relational database server** page is displayed. Click **Add Relational database server**.
5. The Add relational database page is displayed as in the following image.
Enter the following information:

**Name**
Enter an appropriate name for the relational database server.

**Host**
Enter the host name or the IP of the computer where the relational database server is installed.

*IBM Application Discovery Build Configuration* uses the server to publish projects.

**Port**
This field is automatically completed by the application with the default value. Do not change.

**Instance/Location**
Enter the instance/location name if applicable.

**Username and Password**
The user name and password that were used to connect to the relational database, see *IBM Application Discovery Installation and Configuration Guide* for details.

**Show password**
Use to show the password.
Database server type
Select the appropriate relational database type. If you select the **DB2 for Z/OS** check box, the **Storage Group** field is displayed. In the **Storage Group** field, specify the storage group that is configured for AD on the DB2® for z/OS® server.

**Important:** Only one relational database type can be used at any time in the same AD suite.

Save
If you click **Save**, the new relational database server is displayed in the Relational database servers list under the selected environment.

What to do next
Add a user group.

Adding a User Group
Learn how to add a user in **IBM Application Discovery Configuration Server**.

Before you begin
- Make sure you have a working Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.

About this task
This task is step 4 of configuring an **IBM Application Discovery** installation through **IBM Application Discovery Configuration Server**, adding a user group.

Procedure
1. To access **IBM Application Discovery Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server** > Launch IBM Application Discovery Configuration Server. The main page of **IBM Application Discovery Configuration Server** is displayed as in the following image.

![Configuration Server](image)

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click **Environments**.
3. The Environments page is displayed. Click the environment where you want to define a user group. A list of parameters that can be defined for the selected environment is displayed. Click **Groups**.
4. The **Groups** page is displayed. Click **Add group**.
5. The **Add Group** page is displayed as in the following image.
Enter the following information:

- **Name**, enter the name of the user.
- Click **Save** to add the user group to the system.

**What to do next**
Import users from a user list or add individual users.

### Importing a List of Users into a Group

Learn how to import a list of users into a user group defined in **IBM Application Discovery Configuration Server**.

**Before you begin**

- Make sure you have a working Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Define a user group.

**About this task**

This task is step 5 of configuring an **IBM Application Discovery** installation through **IBM Application Discovery Configuration Server**, importing a list of users into a user group. User lists can be imported into user groups that were defined in **IBM Application Discovery Configuration Server** as part of the shared resources management process.

**Procedure**

1. To access **IBM Application Discovery Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server**. The main page of **IBM Application Discovery Configuration Server** is displayed as in the following image.

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click **Environments**.
3. The Environments page is displayed. Select your target environment. A list of parameters that can be defined for the selected environment is displayed. Click **Groups**.

4. The Groups page is displayed. Select your target group.

5. The (group name) page is displayed. Click **Import user list**.

6. The Import user list page is displayed as in the following image.

![Configuration Server](image.png)

7. In the **File format** area, the option **Tab Separated Values** is selected by default. **Comma Separated Values** format is also supported. Make your selection according to needs.

8. Click **Select File** to open a File Upload dialog window and select the file that contains the user list. Only UTF-8 encoded files are accepted.

9. Based on the header of the CSV/TSV file, a list of available columns is displayed. Select the one containing the user logon names that have the required format (username@domain).

10. A list of users that were found in the selected file is displayed showing the selected info. By default, all users are selected for import into the current group. Review the list and remove the users that must not be imported.

11. Click **Save**: the imported users are displayed under the current Group name to the left of the screen.

**What to do next**
Grant access to the users from the user group to the default workspace.

**Granting Access to the Default Workspace**
Learn how to grant access to the default workspace to a group of users in **IBM Application Discovery Configuration Server**.

**Before you begin**
- Install **IBM Application Discovery** on your computer.
- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a configuration.
- Define a user group.
- Add or import users.
About this task

This task is step 6 of configuring an IBM Application Discovery installation through IBM Application Discovery Configuration Server, granting access to a user group to the default workspace of an environment.

A user or a group of users can be granted access to specific workspaces according to security or production requirements.

Procedure

1. To access IBM Application Discovery Configuration Server, select Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Select your target environment. From the list of parameters that can be defined for the selected environment click Workspaces.

4. The Workspaces page is displayed. Select the Default workspace where you want to grant access.

5. The Default (workspace) page is displayed. From the options that are listed to the left of the page, click Information. The current accessibility settings are displayed together with the unique ID, the name and the description of the workspace. Click Edit: the Default (workspace) page is displayed as in the following image.
6. By default, the Default workspace is Public. To grant access only to a specific user group, click the ACL (Access Control List) option then select the Groups tab. All the user groups that were defined in the current environment are displayed. Select the group or the groups to which you want to grant access to the current workspace then click Save.

Assigning a Default Configuration to an Environment

Learn how to assign a default configuration to an environment in IBM Application Discovery Configuration Server.

Before you begin
- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Add a workspace.
- Add a configuration.

About this task
When a new environment is created a blank Default configuration is automatically created and attached to the new environment. You can assign a different default configuration to work with a specific environment.

Procedure
1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of the IBM Application Discovery Configuration Server page is displayed as in the following image.

![Configuration Server](image_url)

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Click the environment for which you want to define a default configuration.

4. The <environment name> page is displayed. Click Information from the list of options to the left of the page.

5. From the Information page click on the Default configuration tab. The name current default configuration is displayed. Click Edit. A list of all the configurations defined in the current environment is displayed. Select the one you want to choose as the default configuration then click Save.
Adding a Configuration Server

Learn how to add a configuration server in IBM Application Discovery Configuration Server interface.

Before you begin
Make sure that you have a working internet connection.

About this task
This task is step 1 of configuring an IBM Application Discovery installation through IBM Application Discovery Configuration Server, adding a configuration server.

Procedure

1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of the IBM Application Discovery Configuration Server page is displayed as in the following image.

![Configuration Server](image1)

2. To add a server, click Add Configuration Server. The Add Configuration Server page is displayed. Enter the following information.

![Add Configuration Server](image2)

Enter the following information:

- **Host**, the value in the Host field cannot be changed.
- **Port**, this field is automatically completed by the application with the default value. Do not change.
- **Description**, enter a relevant description for the new server. Press Save, the new server is displayed in the list of configuration servers.
Adding a Workspace

Learn how to add a workspace in IBM Application Discovery Configuration Server.

Before you begin

• Make sure you have a working Internet connection.
• Add an environment to your configuration server.

About this task

This task is one of the steps of configuring an IBM Application Discovery installation through IBM Application Discovery Configuration Server, adding a workspace. By default, when an environment is created a Default workspace is automatically created and attached to the new environment. In case you need to add a different workspace, follow the procedure presented below.

Procedure

1. To access IBM Application Discovery Configuration server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined the environment for which you want to define the workspace. From the options that are displayed under the selected server, click Environments.
3. The Environments page is displayed. Click the environment where you want to define a workspace. A list of parameters that can be defined for the selected environment is displayed. Click Workspaces.
4. The Workspaces page is displayed. Click Add Workspace.
5. The Add Workspace page is displayed as in the following image.
Enter the following information:

- **Name**, enter a name for the new workspace.
- **Description**, enter an appropriate description for the new workspace.
- **Accessibility**, select whether the workspace will be public, closed, or available only for specified user groups. If you select the ACL option you can then select the user groups that have access to the current workspace. Click **Save**. The new workspace is added to the list of available workspaces.

### Assigning a Default Workspace to an Environment

Learn how to assign a default workspace to an environment in **IBM Application Discovery Configuration Server**.

#### Before you begin

- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Add a workspace.
- Add a configuration.

#### About this task

When a new environment is created a Default workspace is automatically created and attached to the new environment. But you can assign a different default workspace for a specific environment.
Procedure

1. To access IBM Application Discovery Configuration Server, select Start > All Programs > IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click Environments.

3. The Environments page is displayed. Click the environment for which you want to define a default workspace.

4. The <environment name> page is displayed. Click Information from the list of options to the left of the page.

5. From the Information page click on the Default workspace tab. The name current default workspace is displayed. Click Edit. A list of all the workspaces defined in the current environment is displayed. Select the one you want to choose as the default workspace then click Save.

Adding a Project to a Workspace

Learn how to add a project to a workspace in IBM AD Configuration Server.

Before you begin

- Install IBM Application Discovery on your computer.
- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Add a workspace.
- Add a configuration.
- Make sure that the IBM Application Discovery Build projects were published into IBM Application Discovery Configuration Server. For more details, see IBM AD Build Client and Server User Guide.

About this task

Projects can be grouped into workspaces according to security or production requirements. Projects can be either automatically published to a workspace or manually added.

Procedure

1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.
2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click **Environments**.

3. The **Environments** page is displayed. Click the environment where you defined the workspace. From the list of parameters that can be defined for the selected environment click **Workspaces**.

4. The **Workspaces** page is displayed. Select the workspace where you want to add your project.

5. The <workspace name> page is displayed. Click **Projects** to see a list of projects that are already assigned to the current environment.

6. To add a project to the current environment, click **Edit**. A list of projects that can be attached to the current environment is displayed. Select your project then click **Save**.

**Adding a User**

Learn how to add a user in IBM Application Discovery Configuration Server.

**Before you begin**

- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.

**About this task**

In order to be granted access to a specific workspace from an environment, a user has to be added in IBM Application Discovery Configuration Server.

**Procedure**

1. To access IBM Application Discovery Configuration Server, go to Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click **Environments**.

3. The **Environments** page is displayed. Click the environment where you defined a workspace. A list of parameters that can be defined for the selected environment is displayed. Click **Users**.
4. The **Users** page is displayed. Click **Add user**.

5. The **Add User** page is displayed as in the following image.

![Add User Page](image)

Enter the following information:

- **Name**, enter the name of the user.
- **Domain**, enter the domain name.
- Click **Save** to add the user to the system.

---

**Importing a List of Users in Users Page**

Learn how to import a list of users in the **Users** page of **IBM Application Discovery Configuration Server**.

**Before you begin**

- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.

**About this task**

User lists can be imported into **IBM Application Discovery Configuration Server** as part of the shared resources management process.

**Procedure**

1. To access **IBM Application Discovery Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server** > **Launch IBM Application Discovery Configuration Server**. The main page of the **IBM Application Discovery Configuration Server** page is displayed as in the following image.

![Configuration Server Page](image)
2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click **Environments**.

3. The Environments page is displayed. Click the environment where you defined a workspace. A list of parameters that can be defined for the selected environment is displayed. Click **Users**.

4. The Users page is displayed. Click **Import user list**.

5. The Import user list page is displayed as in the following image.

6. In the **File format** area, the option **Tab Separated Values** is selected by default. **Comma Separated Values** format is also supported. Make your selection according to needs.

7. Click **Select File** to open a File Upload dialog window and select the file that contains the user list. Only UTF-8 encoded files are accepted.

8. Based on the header of the CSV/TSV file, a list of available columns is displayed. Select the one containing the user logon names that have the required format (username@domain).

9. A list of users that were found in the selected file is displayed showing the selected info. By default, all users are selected for import into the Users page. Review the list and remove the users that must not be imported.

10. Click **Save**: the imported users are displayed under the **Users** page to the left of the screen.

### Adding a User to a Group

Learn how to add a user to a user group in **IBM Application Discovery Configuration Server**.

**Before you begin**
- Make sure you have an Internet connection.
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Define or import users.
- Define a user group.

**About this task**
Users can be added to user groups to control their access to specific workspaces and projects.

**Procedure**
1. To access **IBM Application Discovery Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration**
Server. The main page of IBM Application Discovery Configuration Server is displayed as in the following image.

2. From the available configuration servers, select the server where you defined your environment. From the options that are displayed under the selected server, click Environments.
3. The Environments page is displayed. Click the environment where you defined a workspace. From the list of parameters that can be defined for the selected environment click Groups.
4. The Groups page is displayed. Click group where you want to add the user. From the options available for the selected group, select Users.
5. The Users page is displayed. Click Edit to activate the fields. A list of users that were found in IBM Application Discovery Configuration Server is displayed. Select the user that you want to add to the current group click Save.

Managing workspaces' access rights

Scenario 1: All Users Can See All Projects

Before you begin
Make sure you have IBM AD suite of applications installed and working;
Have at least a couple of projects created in IBM AD Build Client.
Publish the projects from IBM AD Build Client to IBM AD Configuration Server.

About this task
Workspaces can be Public, ACL (accessible by a specific list of domain users) or closed. In order to illustrate the way the workspace accessibility works let us have a look at the following scenario:

Procedure
1. Create an environment. A Default workspace is created automatically and attached to the created environment. For this Default workspace set the accessibility to Public. Use only this workspace, do not create other workspaces.
2. Add a couple of projects to this Default workspace.

Results
Access IBM AD Analyze Client and observe that all users can see all projects existing in the Default workspace.

Scenario 2: Users Cannot See Any Projects

Before you begin
Make sure you have IBM AD suite of applications installed and working;
Have at least a couple of projects created in **IBM AD Build Client**.

Publish the projects from **IBM AD Build Client** to **IBM AD Configuration Server**.

**About this task**

Workspaces can be Public, ACL (accessible by a specific list of domain users) or closed. In order to illustrate the way the workspace accessibility works let us have a look at the following scenario:

**Procedure**

1. Create an environment. A Default workspace is created automatically and attached to the created environment. For this Default workspace set the accessibility to "Nobody". Use only this workspace, do not create other workspaces.
2. Add a couple of projects to the Default workspace.

**Results**

Access **IBM AD Analyze Client**: the users cannot see any of the projects from the Default workspace.

**Scenario 3: User with Access to a Workspace Can See All Projects from It**

**Before you begin**

Make sure you have **IBM AD** suite of applications installed and working;

Have at least a couple of projects created in **IBM AD Build Client**.

Publish the projects from **IBM AD Build Client** to **IBM AD Configuration Server**.

**About this task**

Workspaces can be Public, ACL (accessible by a specific list of domain users) or closed. In order to illustrate the way the workspace accessibility works let us have a look at the following scenario:

**Procedure**

1. Create an environment. A Default workspace is created automatically and attached to the created environment. For this Default workspace set the accessibility to ACL. Use only this workspace, do not create other workspaces.
2. Add a couple of projects to this Default workspace. Add a domain user to this Default workspace.

**Results**

Access **IBM AD Analyze Client** with the user added in Step 2 and observe that the user can see the defined projects.

**Scenario 4: User with Access to a Workspace Can See Only Projects from That Workspace**

**Before you begin**

Make sure you have **IBM AD** suite of applications installed and working;

Have at least a couple of projects created in **IBM AD Build Client**.

Publish the projects from **IBM AD Build Client** to **IBM AD Configuration Server**.

**About this task**

Workspaces can be Public, ACL (accessible by a specific list of domain users) or closed. In order to illustrate the way the workspace accessibility works let us have a look at the following scenario:
Procedure
1. Create an environment. A Default workspace is created automatically and attached to the created environment. For this Default workspace set the accessibility to "Nobody".
2. Create a second workspace, Workspace 2, set the accessibility for it as "ACL" (Access Control List). Add one or two users to Workspace 2. Add a couple of projects to Workspace 2.

Results
Access IBM AD Analyze Client with the user added in Step 2 and observe that the user can see only projects existing in Workspace 2 where he was granted access and cannot see/access the projects from the Default workspace.

Scenario 5: Users with Access to Specific Workspaces Can See Only Projects from their Assigned Workspace

Before you begin
Make sure you have IBM AD suite of applications installed and working;
Have at least a couple of projects created in IBM AD Build Client.
Publish the projects from IBM AD Build Client to IBM AD Configuration Server.

About this task
Workspaces can be Public, ACL (accessible by a specific list of domain users) or closed. In order to illustrate the way the workspace accessibility works let us have a look at the following scenario.

Procedure
1. Create an environment. A Default workspace is created automatically and attached to the created environment. For this Default workspace set the accessibility to "Nobody".
2. Create a second workspace, Workspace 2, set the accessibility for it as "ACL" (Access Control List). Add one or two users to Workspace 2. Add a couple of projects to Workspace 2.
3. Create a third workspace, Workspace 3, set the accessibility for it as "ACL". Add one or two users to Workspace 3 (different from the ones added to Workspace 2). Add a couple of projects to Workspace 3 (different from the ones added to Workspace 2).

Results
Access IBM AD Analyze Client with any of the users added to Workspace 2: you can notice that the user can see only the projects existing in Workspace 2 where the user was granted access.
Access IBM AD Analyze Client with any of the users added to Workspace 3: you can notice that the user can see only the projects existing in Workspace 3 where he was granted access.

Creating an IBM Application Delivery Intelligence Install Configuration

By creating an IBM Application Delivery Intelligence install configuration in IBM Application Discovery Configuration Server, the aid-setup application can read and set up IBM Application Delivery Intelligence with the configuration settings.

Procedure
1. Start IBM Application Discovery Configuration Server.
2. From the available configuration servers, select the server where you can create an IBM Application Delivery Intelligence install configuration.
3. Click Install Configurations > IBM Application Delivery Intelligence.
4. Configure the settings on the **IBM Application Delivery Intelligence Install Configuration** page. For more information about the properties, see the "Setting up ADI with the aid-setup application" topic in the IBM Application Delivery Intelligence documentation.
Documentation Notices for IBM Application Discovery

This edition applies to version 5.0.5 of IBM Application Discovery with the corresponding fix packs.


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