

IBM Application Discovery for IBM Z
Configuration Server V5.1.0

User Guide



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Chapter 1. Accessibility Features for IBM Application Discovery for IBM Z

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 for IBM Z® includes the following major accessibility features:

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

IBM Application Discovery for IBM Z uses the latest W3C Standard, [WAI-ARIA 1.0](http://www.w3.org/TR/wai-aria/) (www.w3.org/TR/wai-aria/), to ensure compliance with [US Section 508](http://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) (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](http://www.w3.org/TR/WCAG20/) (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 for IBM Z.

The IBM Application Discovery for IBM Z 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) (<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 AD Installation and Configuration Guide*.

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

The IBM Application Discovery for IBM Z 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 for IBM Z 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](http://www.ibm.com/able) (www.ibm.com/able).

Chapter 2. Introduction

Following is a short description of **IBM Application Discovery for IBM Z (AD) Configuration Server** and its main functions.

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

IBM AD Configuration Server also allows the system administrator to coordinate the access to the 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 accessible resources without interfering with applications from other installations. In **IBM AD Configuration Server**, such an installation is called "environment". One **IBM AD 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 AD Configuration Server** holds the installation parameters for **IBM AD Analyze Servers** and **IBM AD 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 AD**. 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 AD 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 AD High-Level Architecture Overview

The following diagram illustrates IBM Application Discovery for IBM Z high-level architecture and the relationships among the different components of the suite.

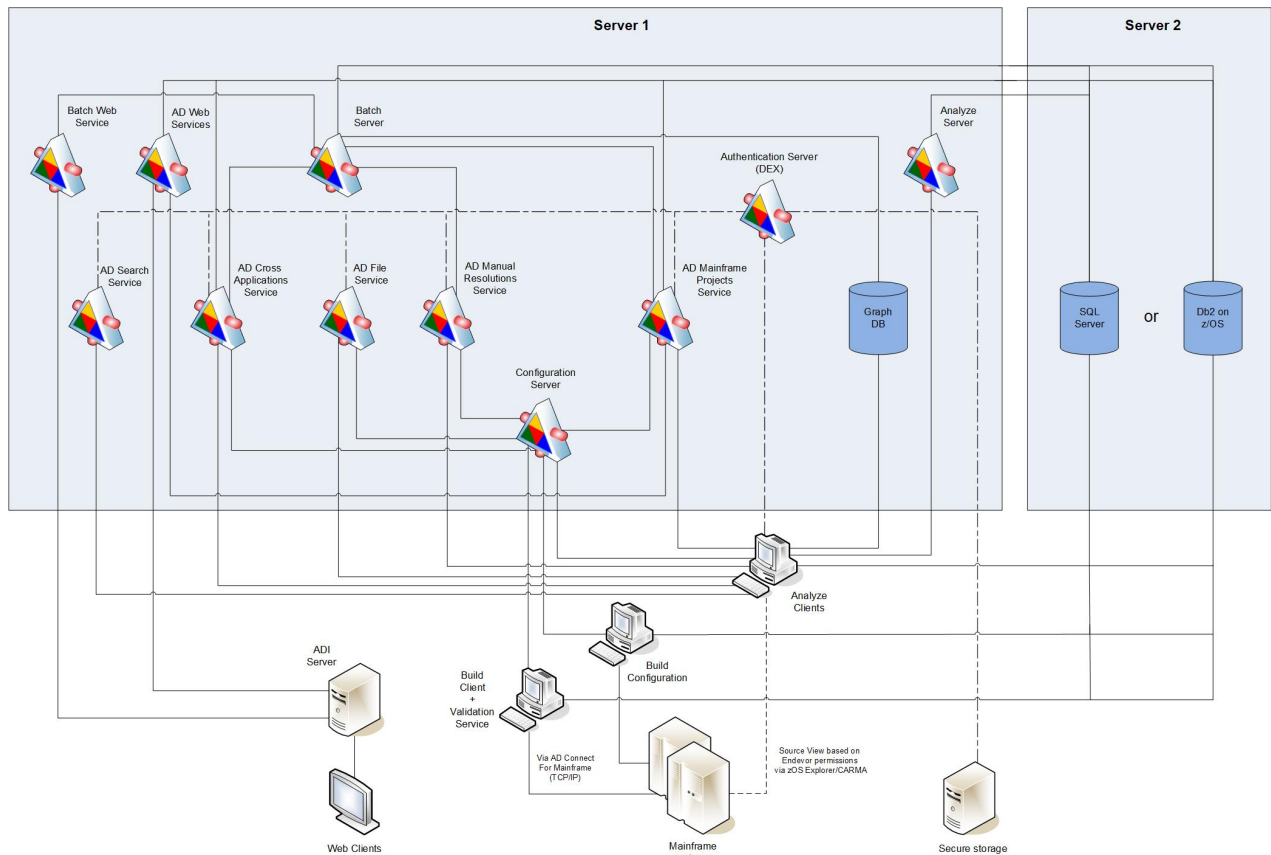


Figure 1. **IBM AD** high-level architecture

Following is a brief description of the relationships among the different components of IBM AD.

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. It uses project sources that are brought from z/OS[®], performs a compilation/build process and stores the analysis data to the repository.

IBM AD Validation Service - works with ChangeMan SCM only. Provides coding rule enforcement via synchronization with ChangeMan and upon member staging.

IBM AD Batch Server - imports data from the relational database repository into the GraphDB (OrientDB) repository, automates processes such as report generation and indexing, and manages the creation of the annotations database.

IBM AD Analyze Client - runs over Eclipse or IDz and provides project analysis via graphs reports and usage views. When the analyzed application sources are coming from Endeavor, it allows viewing source code per user based on Endeavor permissions that are checked via z/OS Explorer/CARMA interface.

IBM AD Mainframe Projects - authorizes the access to the AD projects, by using SSO authentication within AD. This service is mandatory to be configured to use AD, whether the authentication feature is in place or not.

IBM AD File Service - in the context of the authorization/authentication, the access rights of users or users' groups are mapped to a certain folder that contains the source files. Once authenticated and authorized, the user can start the analysis on the source files as long as the user has read access rights.

IBM AD Search Service - is responsible with the access to the indexed data. Whether the authentication feature is in place or not, the folder path in which the indexes are generated needs to be accessible for both **IBM AD Batch Server** and **IBM AD Search Service**.

IBM AD Manual Resolutions Service - manages the manually added resolutions and allows clients that use SSO authentication within AD to ask for user authentication to access these resolutions. This service is mandatory to be configured if you want to use callgraph-based analyzes (graphs or reports), whether authentication feature is in place or not.

Authentication Server (DEX) - is an identity service that uses OpenID Connect and supports OAuth2 protocol in order to allow clients to use SSO authentication within AD. With the credentials provided by the user, it interrogates a **Secure Storage**, through the LDAP protocol. The **Secure Storage** can be an **Active Directory** or any other entity that stores users and groups and can communicate through **LDAP**. This service is mandatory to be installed and configured only when authentication feature is in place.

IBM AD Cross Applications Service - is mandatory to be configured if you want to generate a Cross Applications Callgraph, whether the authentication feature is in place or not.

Batch Web Service - serves the data that is provided by a component of the Batch Server and prepares it for delivery.

IBM AD Web Services - contains the following features: **AD Audit**, **AD Catalog** and **AD BRD REST API**.

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 AD 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 AD Installation

Follow these steps to configure an IBM AD installation.

About this task

To configure an **IBM AD** installation in **IBM AD Configuration Server**, the following sequence of steps must be performed.

Procedure

1. Fill in the **IBM AD 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 components settings for the default configuration.** A configuration holds the necessary settings for the following components:
 - **IBM AD Analyze Servers.**
 - **IBM AD GraphDB.**Also, general parameters can be set for the reports, the Rule Based reports, annotations database, audit and catalog, but these parameters can also be set at a later moment.
Annotations database can be set only after the connection parameters for the relational database server are added.
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 AD Configuration Server**.

Filling the Build Client Install Configuration Page

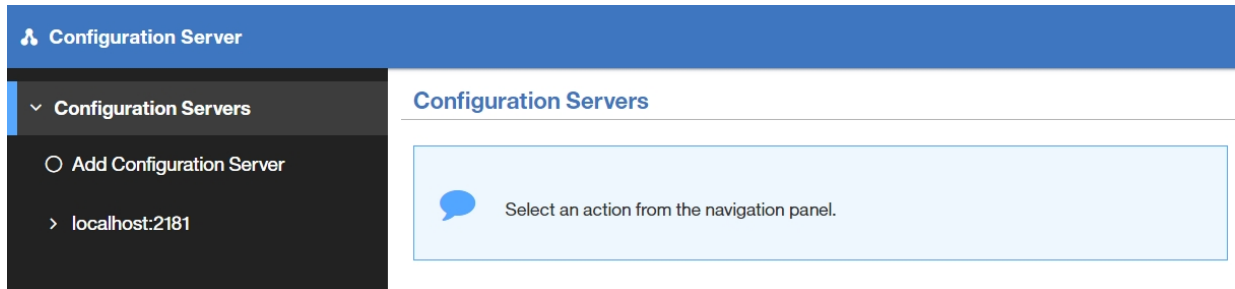
Before you begin

About this task

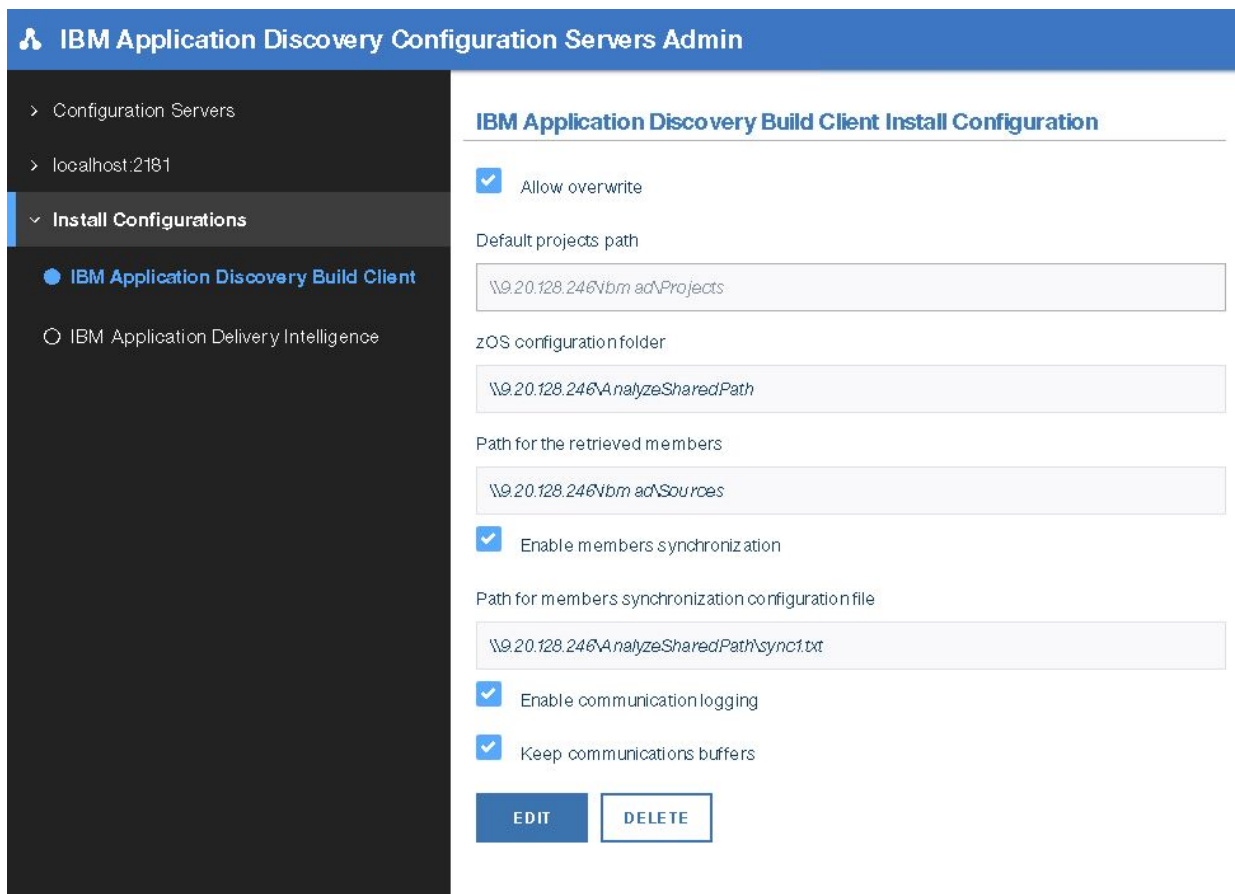
In order for **IBM AD Build Client** to work properly, add all the required paths before [Adding an Environment](#).

Procedure

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



2. When **IBM AD 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 localhost server name. From the options that are displayed under the selected server, click **Install Configurations**.
3. The **Install Configurations** page is displayed. Click **IBM Application Discovery Build Client**.
4. The **IBM Application Discovery Build Client Install Configuration** page is displayed.



Enter the following information:

Default project path

Enter a default path where all **IBM AD Build Client** projects are stored. The path needs to be accessible for any of the following IBM AD components: **IBM AD Build Client** and **IBM AD Batch Server**. This default path can be changed when you create a project in **IBM AD Build Client**.

zOS configuration folder

Enter a default path where the z/OS® Connections are stored. The path must be accessible for any of the following IBM AD components: **IBM AD Build Client** / **IBM AD Build Configuration**.

Path for the retrieved members

Enter a default path where all the members that are downloaded from a Mainframe system are stored. The path needs to be accessible for any of the following IBM AD components: **IBM AD Build Client** and **IBM AD Batch Server**.

Check the following options:

Enable members synchronization

If the **Enable members synchronization** option is checked you need to enter the default path of the configuration file that contains the parameters for the synchronization process in the **Path for members synchronization configuration file** field. For more information, see [Synchronize Mainframe Members](#), in *IBM AD Build User Guide*.

Enable communication logging

You can decide whether the communication logs are saved for later use and inspection.

Keep communication buffers

You can decide whether the communication buffers are saved for later use and inspection.

What to do next

Add an environment.

Adding an Environment

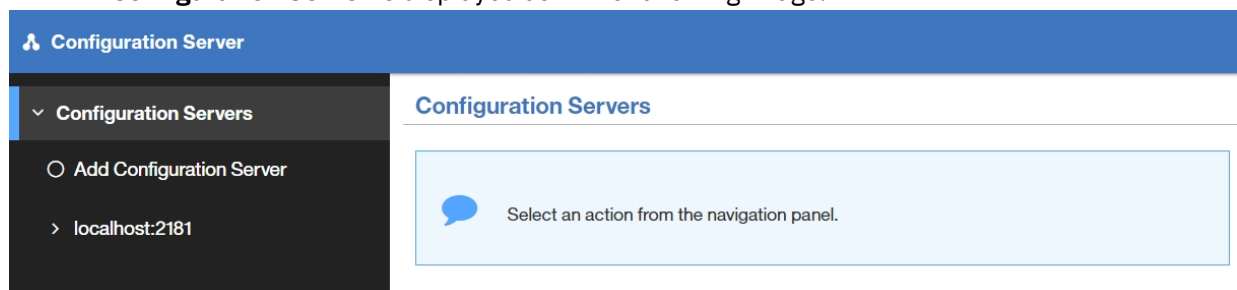
Learn how to add an environment to a configuration server in **IBM AD Configuration Server**.

About this task

This task is step 1 of configuring an IBM AD installation through **IBM AD Configuration Server**, adding an environment to a configuration server.

Procedure

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



2. When **IBM AD 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.

The screenshot shows the 'Add Environment' form in the IBM AD Configuration Server. On the left is a dark sidebar with a tree view containing 'Configuration Servers', 'localhost:2181', 'Environments' (expanded), 'Add Environment' (selected with a blue dot), and 'test'. The main area has a title 'Add Environment' and two text input fields: 'Name:' with a placeholder 'name' and 'Description:' with a placeholder 'description'. A blue 'SAVE' button is at the bottom right.

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 AD Build** projects are available.

Important: New projects created in **IBM AD Build** are visible in the default workspace. The projects are published in the environment when they are created in the **IBM AD 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 AD Configuration Server**.

Before you begin

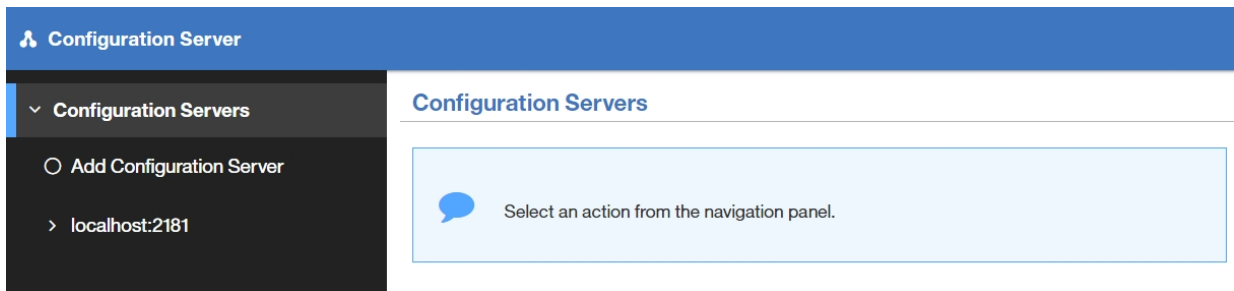
- Add a configuration server.
- Add an environment to the configuration server.

About this task

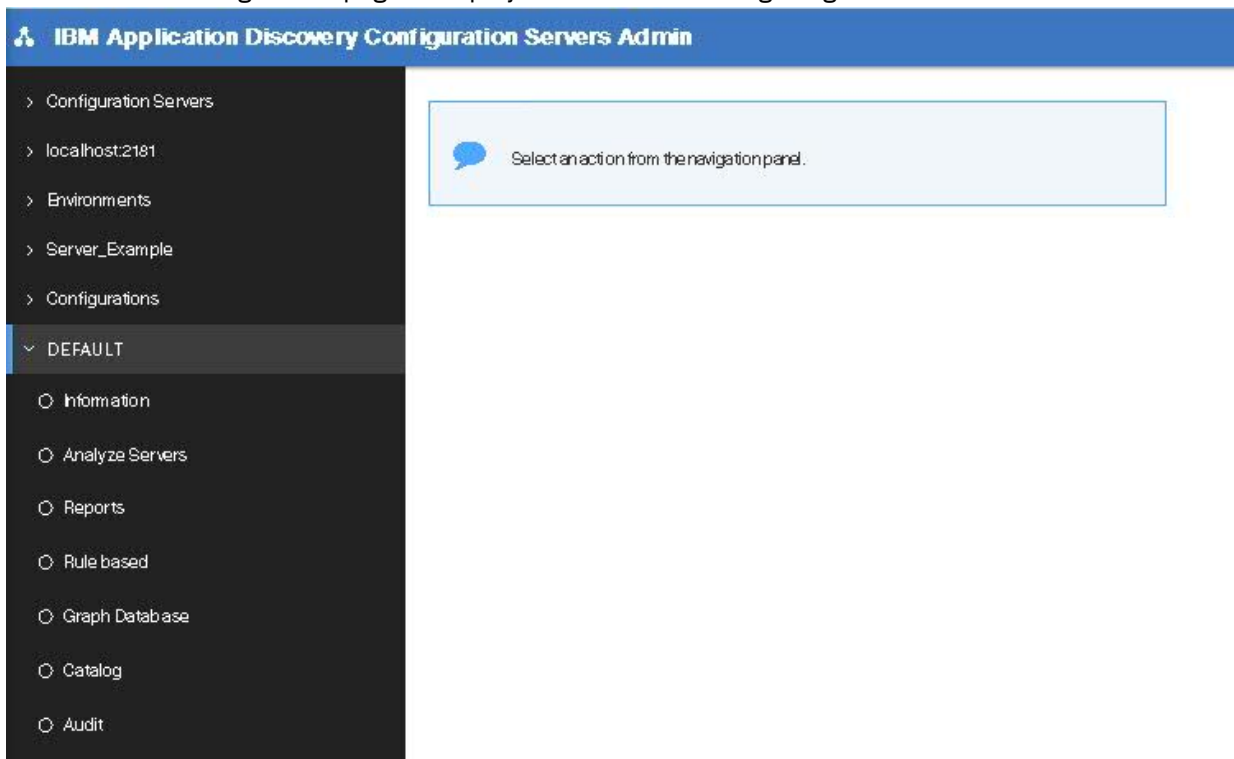
This task is step 2 of configuring an IBM AD installation through **IBM AD Configuration Server**, setting the parameters for the default configuration. A configuration holds the necessary settings for **IBM AD Analyze Servers** and **IBM AD GraphDB**. Also, a configuration can contain general settings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

Procedure

1. To access **IBM AD Configuration** server, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 Analyze Servers

How to configure **IBM AD Analyze Servers** in **IBM AD Configuration Server**.

Before you begin

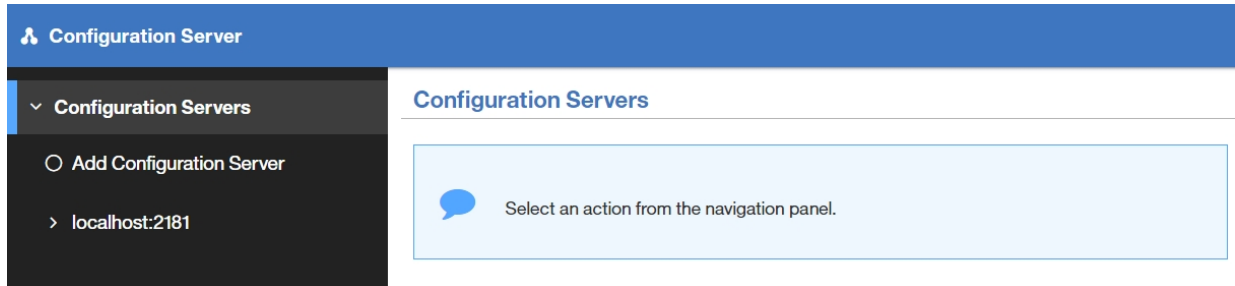
- Add an environment to the configuration server.
- Add a configuration.

About this task

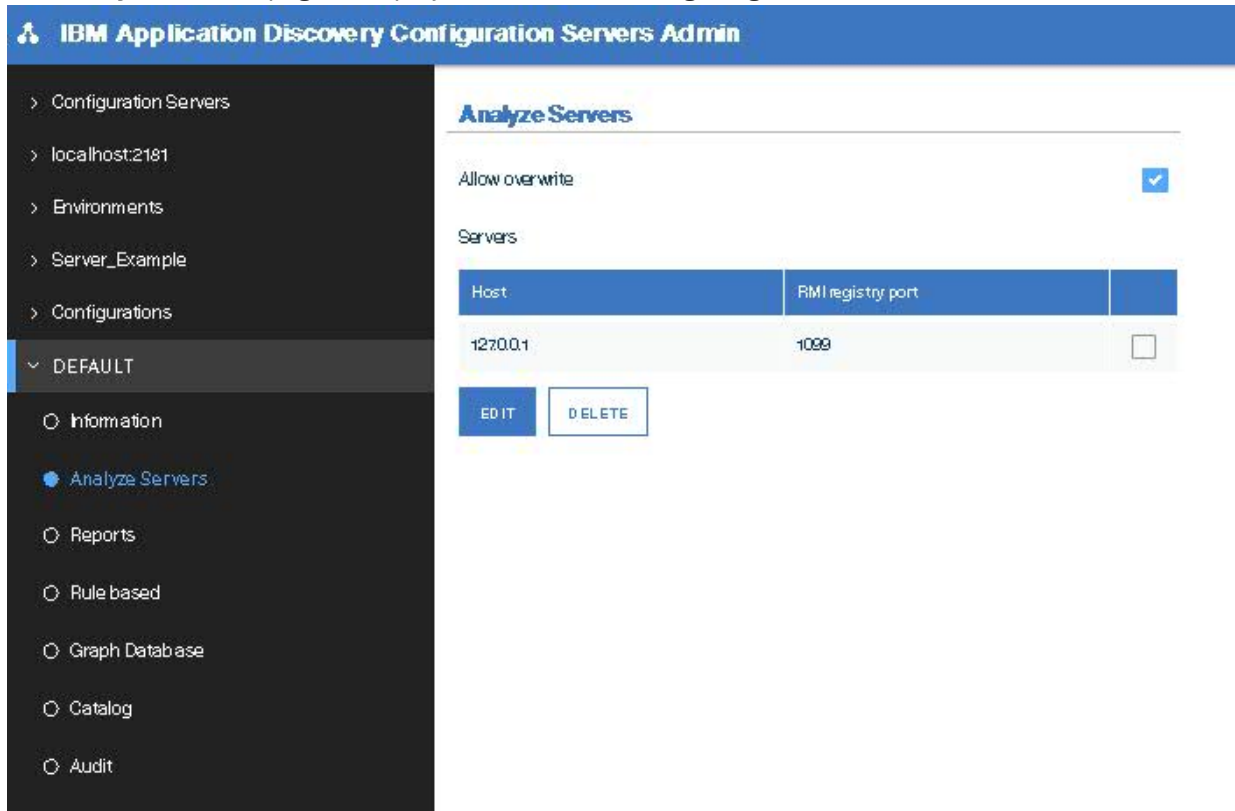
Setting the Analyze Servers is part of the IBM AD installation configuration. It consists in configuring the connection details for **IBM AD Analyze Server** component.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 AD Configuration Server**. These settings are visible in **IBM AD Analyze Client** in **Window > Preferences > Application Discovery > Global Settings** and apply to all **IBM AD Analyze Client** users. If **Allow Overwrite** is selected, an **IBM AD 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 AD 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 Reports settings.

Configuring Reports

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

Before you begin

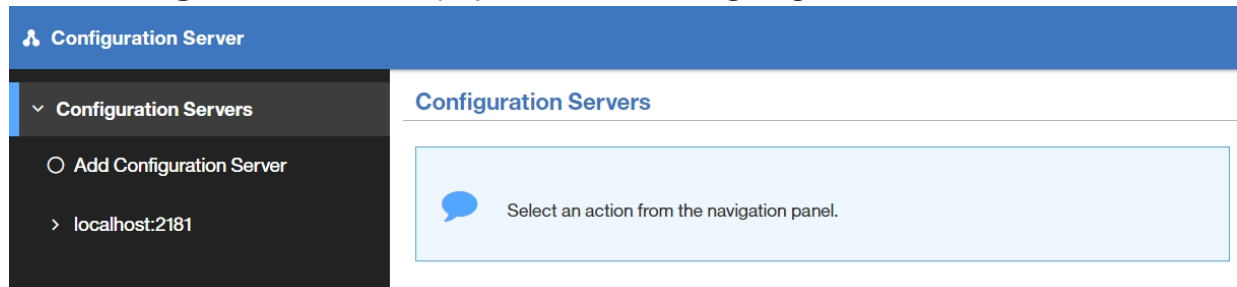
- Add an environment to the configuration server.
- Add a configuration.

About this task

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

Procedure

1. To access **IBM AD Configuration** server, select **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 AD Configuration Server**. These settings are visible in **IBM AD Analyze Client** in **Window > Preferences > Application Discovery > Global Settings** and apply to all **IBM AD Analyze Client** users. If **Allow Overwrite** is selected, an **IBM AD 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 AD 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 AD Analyze Client**.

Before you begin

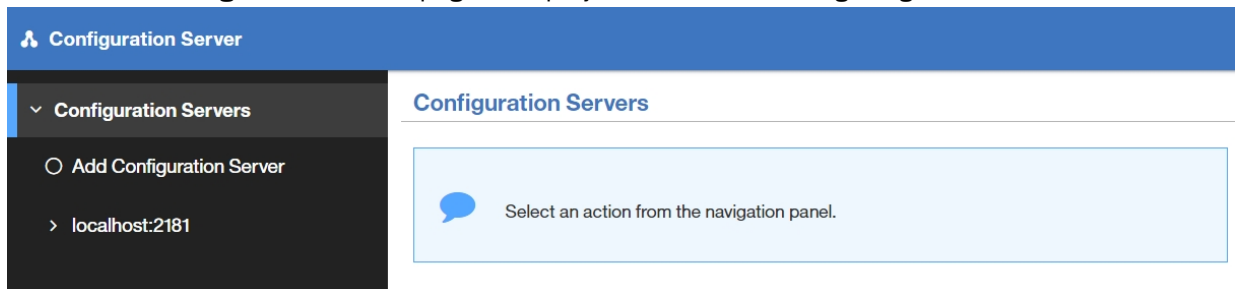
- Add an environment to the configuration server.
- Add a configuration.

About this task

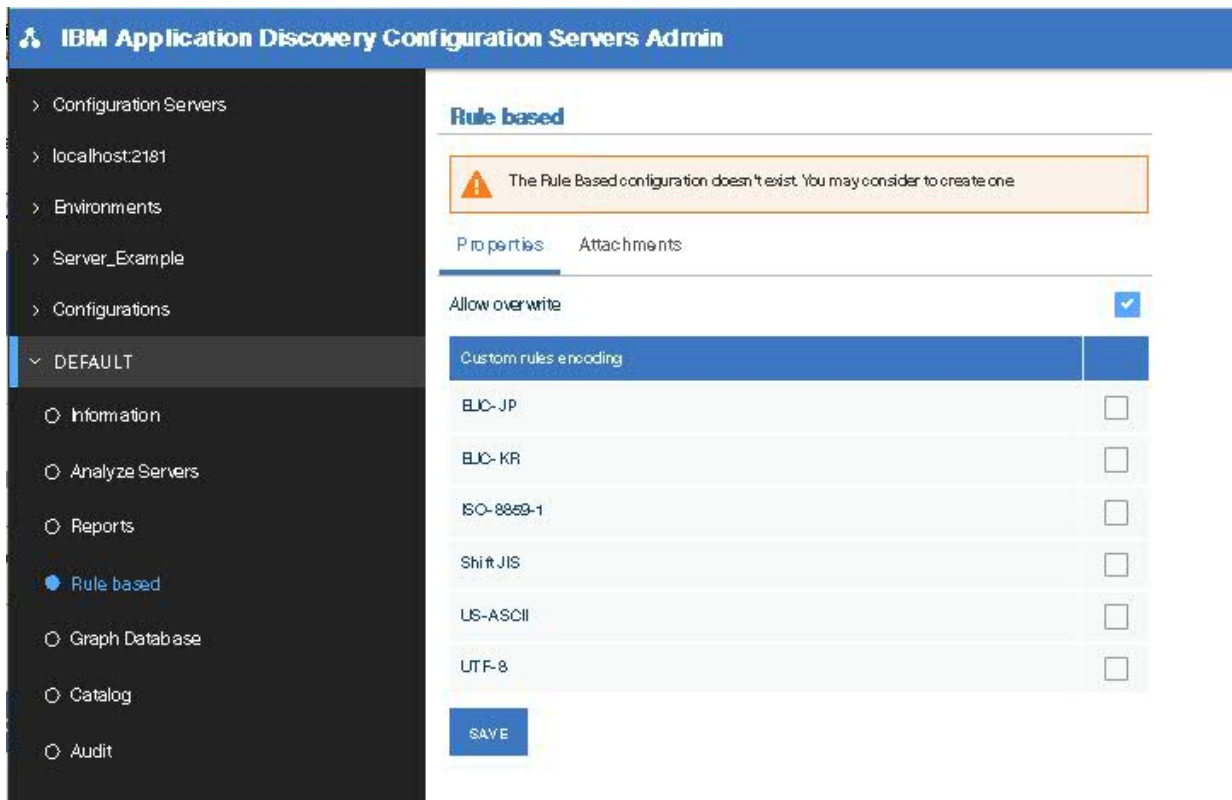
The Rule based configuration consists loading a file that contains the rules to be used when the **Rule based reports** are generated in **IBM AD Analyze Client**. The Rules file can be loaded either from **IBM AD Configuration Server** or from **IBM AD Analyze Client**. Also, the custom rules encoding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

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of the **IBM AD 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.



Allow overwrite option is selected by default. Global settings (connection parameters for servers and databases, and reports settings) are set from **IBM AD Configuration Server**. These settings are visible in **IBM AD Analyze Client** in **Window > Preferences > Application Discovery > Global Settings** and apply to all **IBM AD Analyze Client** users. If **Allow Overwrite** is selected, an **IBM AD 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 Connection to Graph Database

Learn how to configure **IBM AD GraphDB** in **IBM AD Configuration Server**.

Before you begin

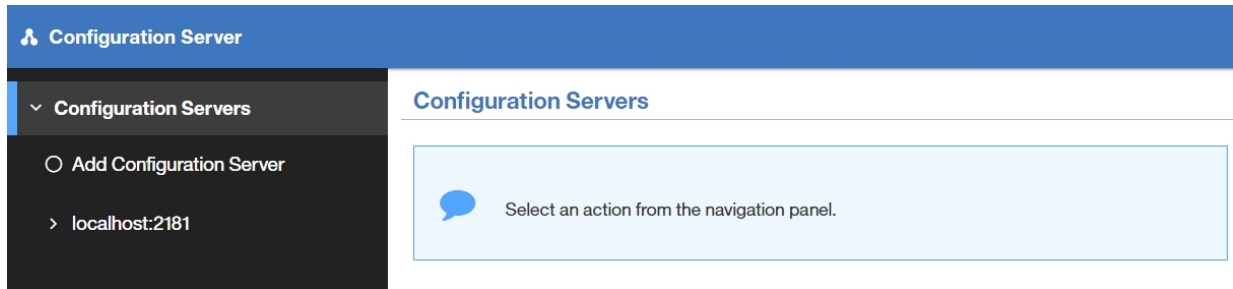
- Add an environment to the configuration server.
- Add a configuration.

About this task

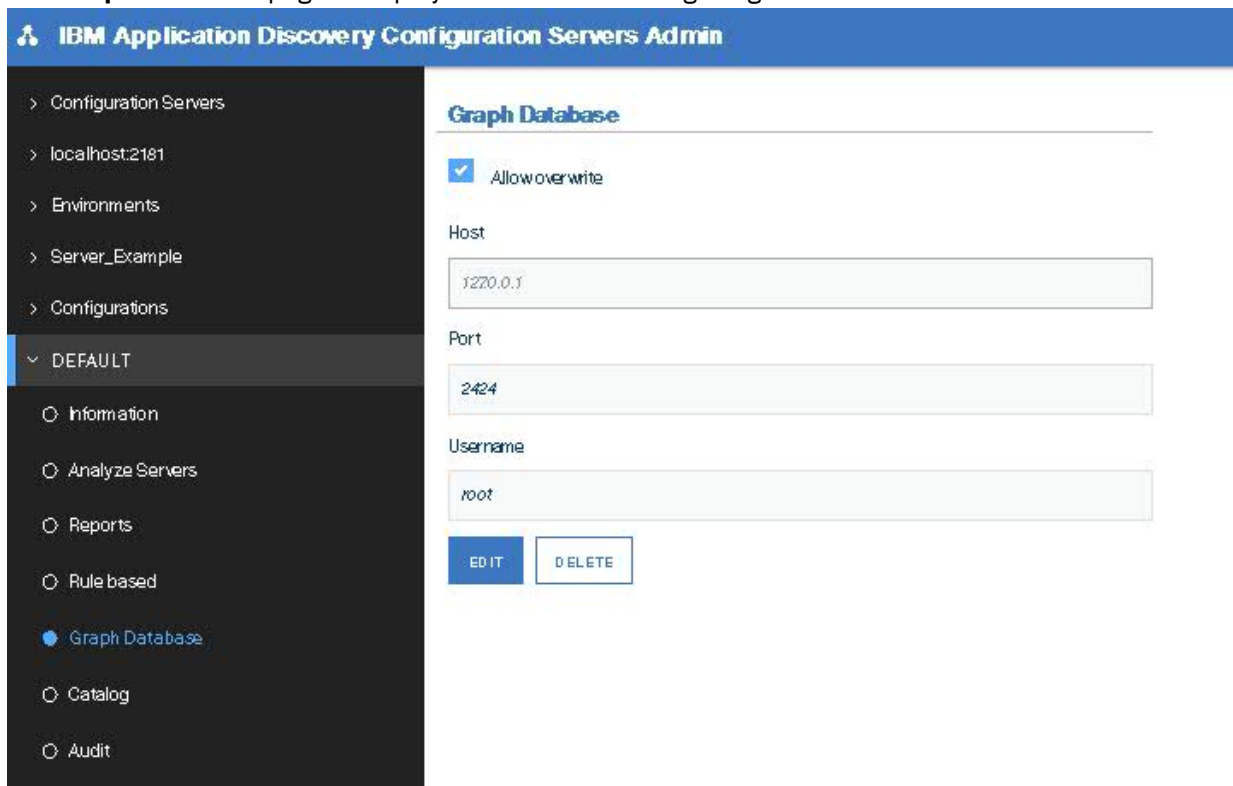
The graph database configuration is part of the IBM AD installation configuration and consists of configuring the connection details for **IBM AD GraphDB** component. If the graph database connection details are not configured, some of the analyses in **IBM AD Analyze** are not be available and some **IBM AD Batch Server** tasks cannot be performed.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 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 AD Configuration Server**. These settings are visible in **IBM AD Analyze Client** in **Window > Preferences > Application Discovery > Global Settings** and apply to all **IBM AD Analyze Client** users. If **Allow Overwrite** is selected, an **IBM AD 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 AD 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 AD Installation and Configuration Guide*.
- Click **Save** to save the parameters.

Configuring the Connection to AD Catalog

Before you begin

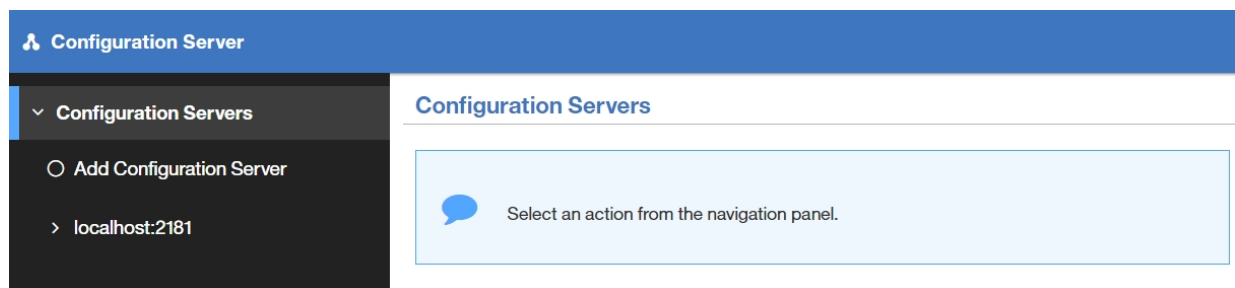
- Add an environment to the configuration server.
- Add a configuration.

About this task

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

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 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.

IBM Application Discovery Configuration Servers Admin

- > Configuration Servers
- > localhost:2181
- > Environments
- > Ioana
- > Configurations
- ▼ **Default**
 - Information
 - Analyze Servers
 - Reports
 - Rule based
 - Graph Database
 - **Catalog**
 - Audit

AD Catalog webservice configuration

☒ Allow overwrite

Host

9.20.128.242

Port

9080

HTTP protocol

HTTP

Authentication

Basic Authentication

Username

catalog

Password

••••••••

☐ Show password

EDIT

DELETE

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

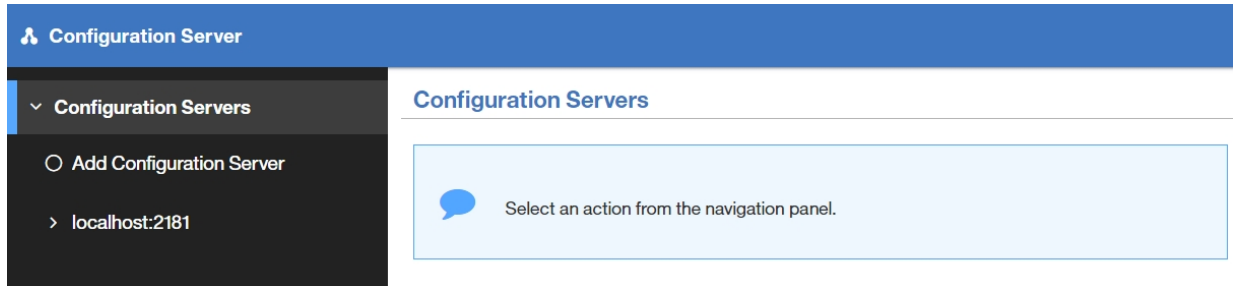
- Add an environment to the configuration server.
- Add a configuration.

About this task

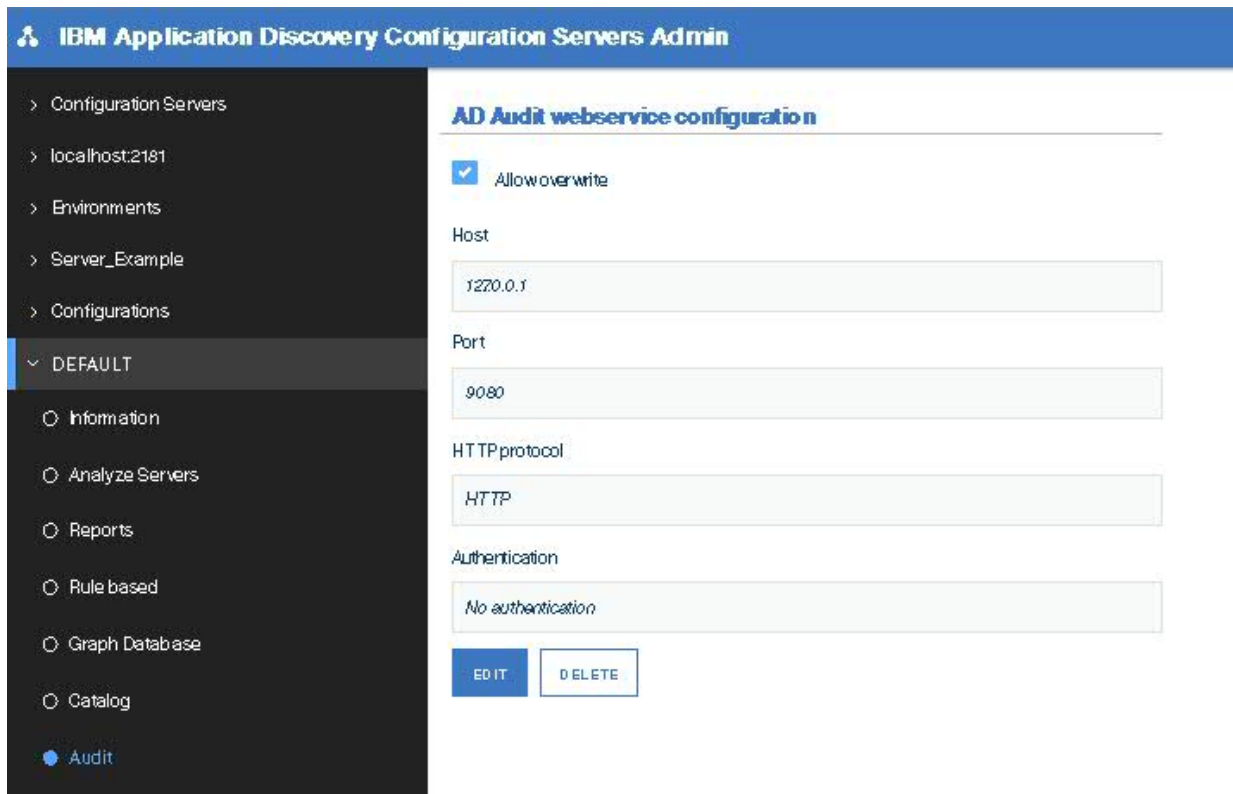
Learn how to configure the AD Audit web service in IBM AD Configuration Server.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 AD Configuration Server**.

Before you begin

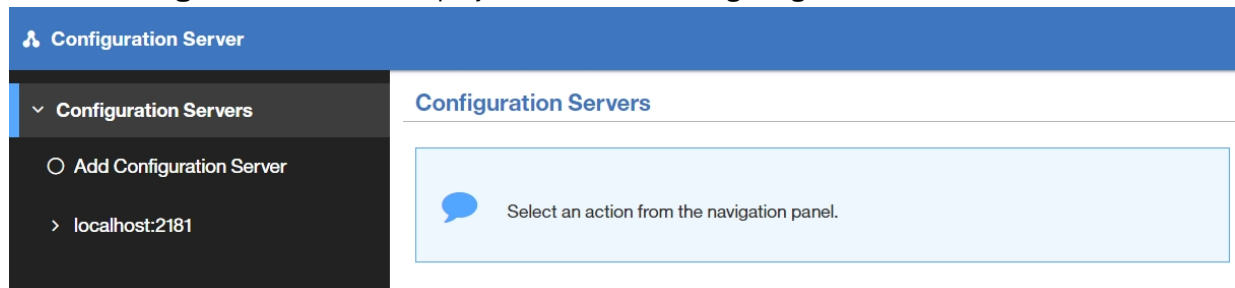
Add an environment to the configuration server.

About this task

This task is step 3 of configuring an IBM AD installation through **IBM AD Configuration Server**, adding a relational database server to an environment. This step is important because it tells **IBM AD Configuration Server** to which relational database server to connect so that it can correctly configure the connection between **IBM AD Build** and **IBM AD Analyze**.

Procedure

1. To access **IBM AD Configuration** server, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 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.

The screenshot shows the 'IBM Application Discovery Configuration Servers Admin' interface. On the left is a dark sidebar with a navigation menu. The main area on the right is titled 'Add relational database' and contains a form with the following fields and options:

- Name:** A text input field with placeholder text 'Your preferred name'.
- Host:** A text input field with placeholder text 'The host of the repository'.
- Port:** A text input field with placeholder text '1433'.
- Instance / Location:** A text input field with placeholder text 'instance'.
- Storage Group:** A text input field with placeholder text 'ONLY FOR DB2 ON Z/REPOSITORY'.
- Username:** A text input field with placeholder text 'username'.
- Password:** A text input field with placeholder text 'password'.
- Show password:** A checkbox that is currently unchecked.
- Database server type:** A section containing two radio buttons:
 - SQL Server:** An unchecked radio button.
 - DB2 for Z/OS:** A checked radio button.
- SAVE:** A blue button at the bottom of the form.

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 AD 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 are used to connect to the relational database.

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.

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.

Configuring the Annotations Database

Learn how to configure **Annotations Database** in **IBM AD Configuration Server**.

Before you begin

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

About this task

The **Annotations Database** is used to store the comments that are related to application's lifecycle added by a user on a resource. The user can choose either of the following two options to create a new **Annotations Database**:

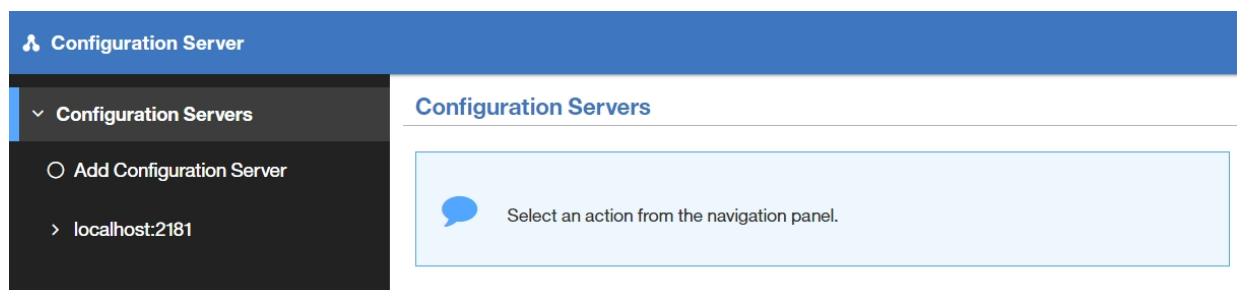
- Through configuration part of the **IBM AD** installation and configuration. It consists in setting the annotations database name, the schema, and associating a database server from the ones that are already defined under Relational database servers.
- By using DB2_CreateAnnotationDB.sql DDL script. For more information, see topic [Creating Annotations Database Using DDL Script](#) in *IBM AD Build User Guide*.

Note:

- For details related to relational database server, see [“Adding a Relational Database Server”](#) on page 21.
- For details related to annotations, see [Annotations Overview](#).

Procedure

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

The screenshot shows the 'Annotations Database' configuration page in the IBM Application Discovery Configuration Servers Admin interface. The left sidebar contains a navigation menu with options like Configuration Servers, localhost:2181, Environments, HursleyEnv, Configurations, and Default (selected). Under Default, there are radio buttons for Information, Analyze Servers, Reports, Rule based, Graph Database, Annotations Database (selected), Catalog, and Audit. The main content area is titled 'Annotations Database' and contains a yellow warning box stating: 'The annotations database configuration doesn't exist. You may consider to create one.' Below this, there is a checkbox for 'Allow overwrite' which is checked. There are input fields for 'Database name' (containing 'annotations') and 'Database schema' (containing 'schema'). A section for 'Database server' lists three options with radio buttons: 'LocalSQLDB [9.20.128.246:1433]', 'DSNV11 [winmvs4h.hursley.ibm.com:41001]', and 'SQLSRV [9.20.128.250:1433]'. A blue 'SAVE' button is at the bottom right of the configuration area.

Enter the following information:

- **Allow overwrite:** If checked, the users who are connected to the current **IBM AD Configuration Server** are able to use own settings.
- **Database name:** expects the name of the annotations database.
Note: The name of the annotations database needs to respect the database name restrictions that are in place on the type of relational database server (SQL, Db2) that was associated.
- **Database schema:** expects the schema under which the annotations database is or can be created.
- **Database server:** the database servers that are defined under the environment in Relational database servers are listed. Select the database server on which you want to create the annotations database. For more information related to Relational database servers, see [“Adding a Relational Database Server”](#) on page 21.

Adding a User Group

Learn how to add a user in **IBM AD Configuration Server**.

Before you begin

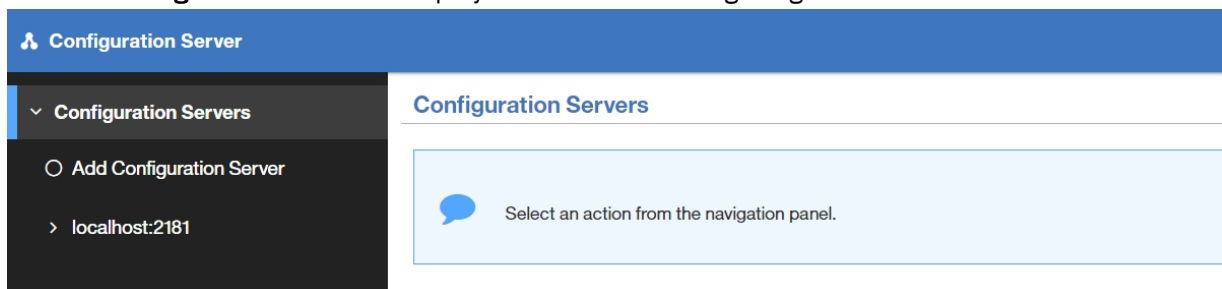
- Add a configuration server.
- Add an environment to the configuration server.

About this task

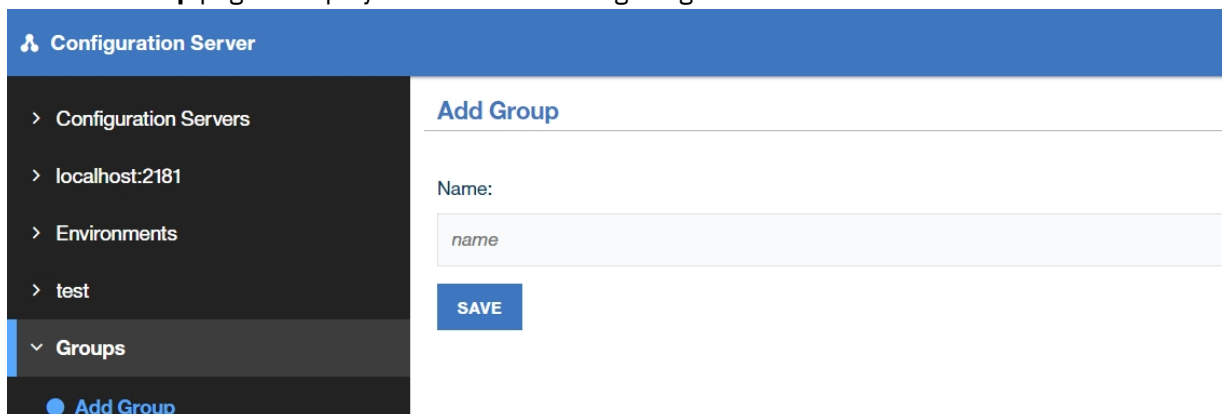
This task is step 4 of configuring an IBM AD installation through **IBM AD Configuration Server**, adding a user group.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 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 AD Configuration Server**.

Before you begin

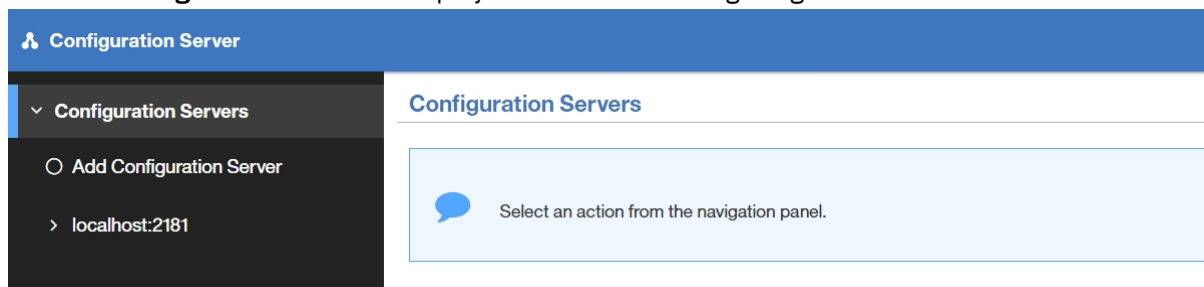
- Add a configuration server.
- Add an environment to the configuration server.
- Define a user group.

About this task

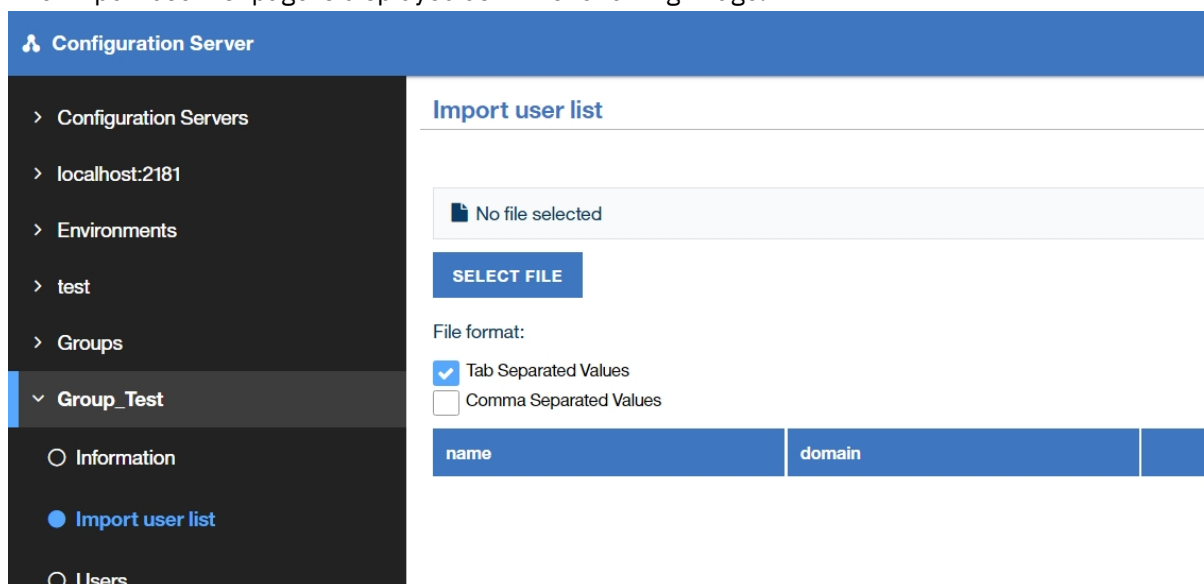
This task is step 5 of configuring an IBM AD installation through **IBM AD Configuration Server**, importing a list of users into a user group. User lists can be imported into user groups that were defined in **IBM AD Configuration Server** as part of the resources management process.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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.



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 AD Configuration Server**.

Before you begin

- Add a configuration server.
- Add an environment to the configuration server.
- Add a configuration.
- Define a user group.
- Add or import users.

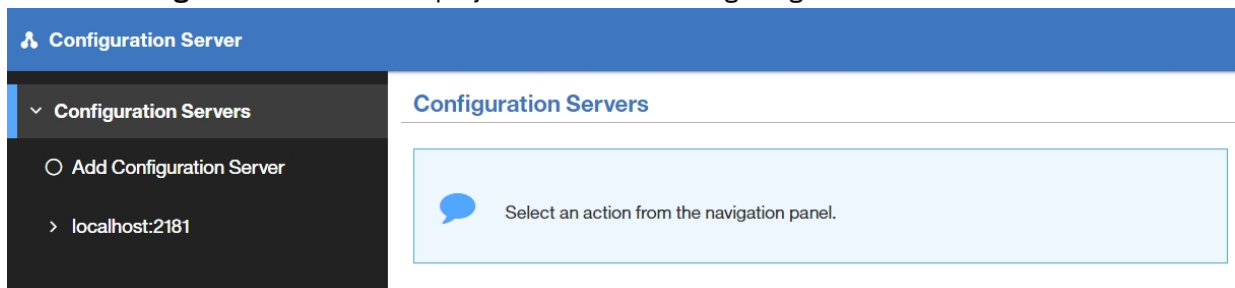
About this task

This task is step 6 of configuring an IBM AD installation through **IBM AD 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 AD Configuration Server**, select **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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.

Configuration Server

- > Configuration Servers
- > localhost:2181
- > Environments
- > test
- > Workspaces
- ▼ **Default**
 - **Information**
 - Projects

Information

Info Groups

Name:
Default

Description:

Id:
de3a29da-1926-41d5-8b81-5552753f6dbc

Accessibility:
Public

EDIT DELETE

- 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 AD Configuration Server**.

Before you begin

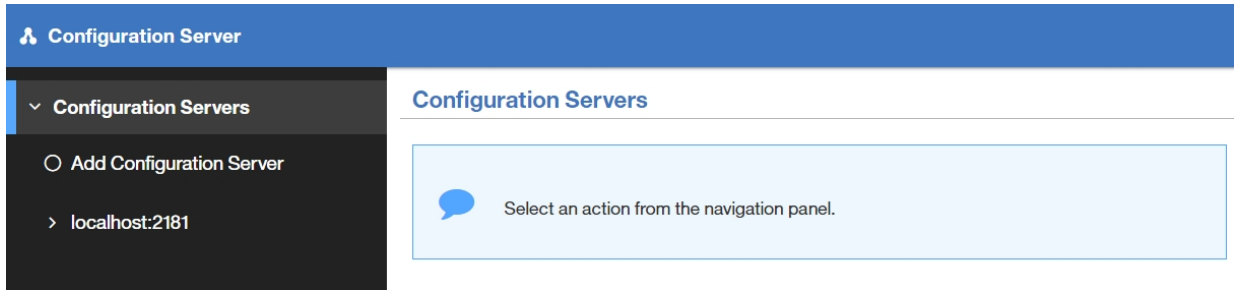
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Add a workspace.
- Add a configuration.

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

- To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of the **IBM AD Configuration Server** page 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 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

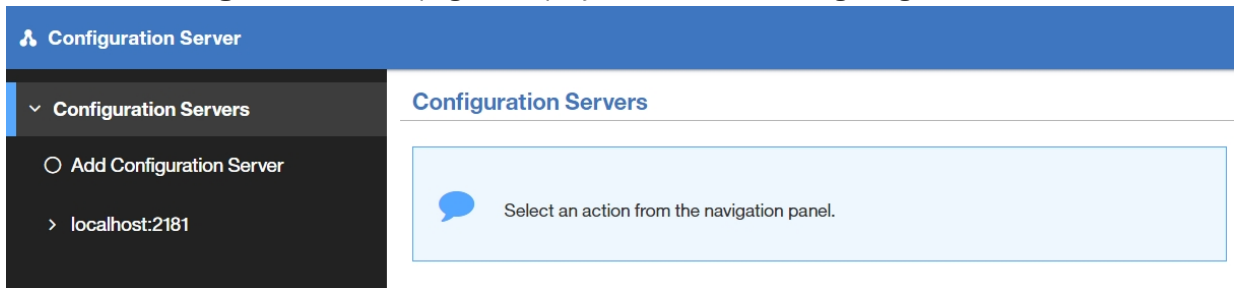
Learn how to add a configuration server in **IBM AD Configuration Server** interface.

About this task

This task is step 1 of configuring an IBM AD installation through **IBM AD Configuration Server**, adding a configuration server.

Procedure

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



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

The screenshot shows the 'IBM Application Discovery Configuration Servers Admin' interface. On the left, a navigation pane under 'Configuration Servers' has 'Add configuration server' selected. The main area is titled 'Add configuration server' and contains three input fields: 'Host' (with placeholder 'localhost'), 'Port' (with placeholder '2181'), and 'Description' (with placeholder 'description'). A blue 'SAVE' button is at the bottom.

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 AD Configuration Server**.

Before you begin

Add an environment to your configuration server.

About this task

This task is one of the steps of configuring an IBM AD installation through **IBM AD 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 AD Configuration** server, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD Configuration Server** is displayed as in the following image.

The screenshot shows the 'Configuration Server' main page. The left navigation pane has 'Configuration Servers' selected. The main area is titled 'Configuration Servers' and contains a light blue box with a speech bubble icon and the text 'Select an action from the navigation panel.'

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 AD Configuration Server**.

Before you begin

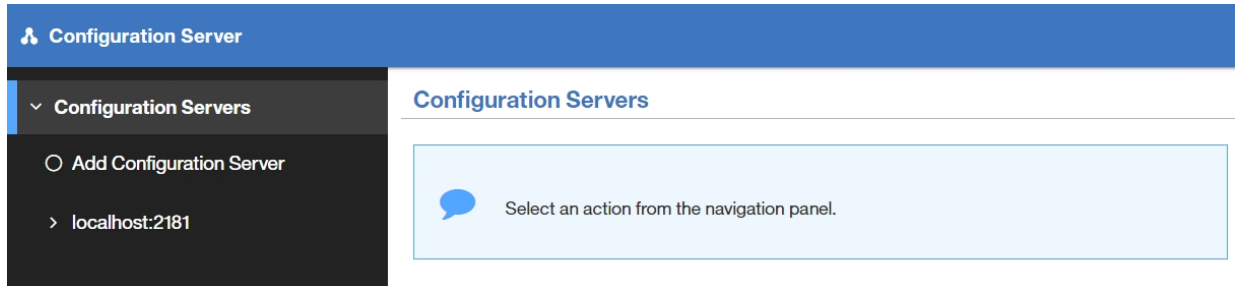
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Add a workspace.
- Add a configuration.

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 AD Configuration Server**, select **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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

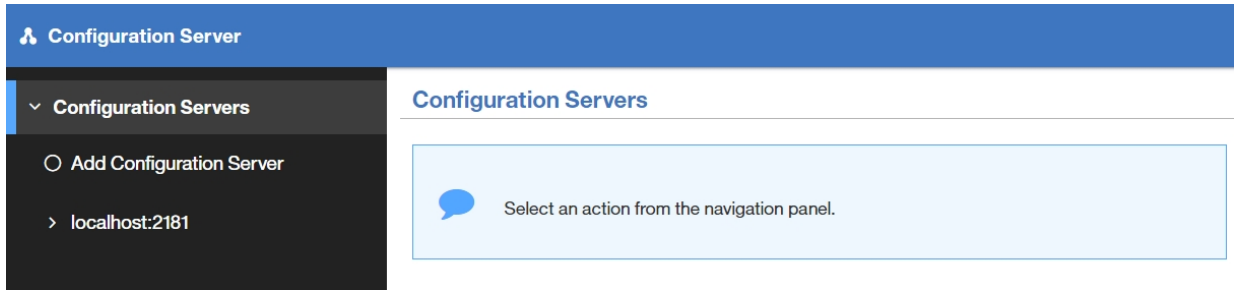
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Add a workspace.
- Add a configuration.
- Make sure that the **IBM AD Build** projects were published into **IBM AD Configuration Server**. For more details, see *IBM AD Build 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 AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 AD Configuration Server**.

Before you begin

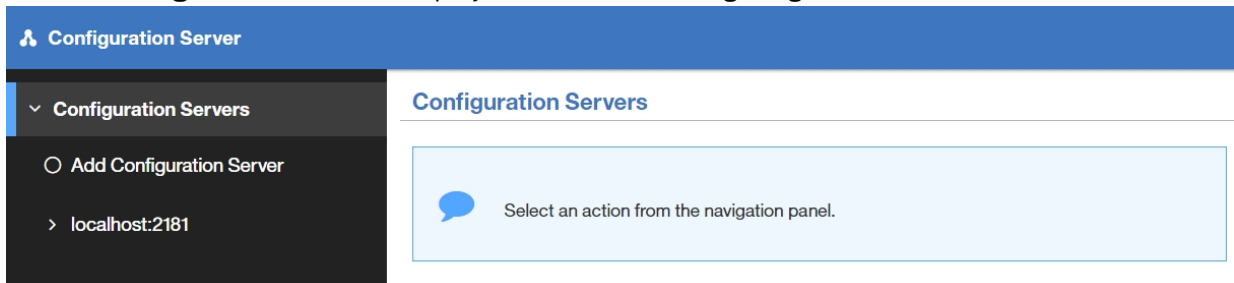
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.

About this task

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

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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.

Configuration Server

- > Configuration Servers
- > localhost:2181
- > Environments
- > test
- ▼ **Users**
 - **Add User**
 - Import user list

Add User

Name:

Domain:

SAVE

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 AD Configuration Server**.

Before you begin

- 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 AD Configuration Server** as part of the resources management process.

Procedure

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

Configuration Server

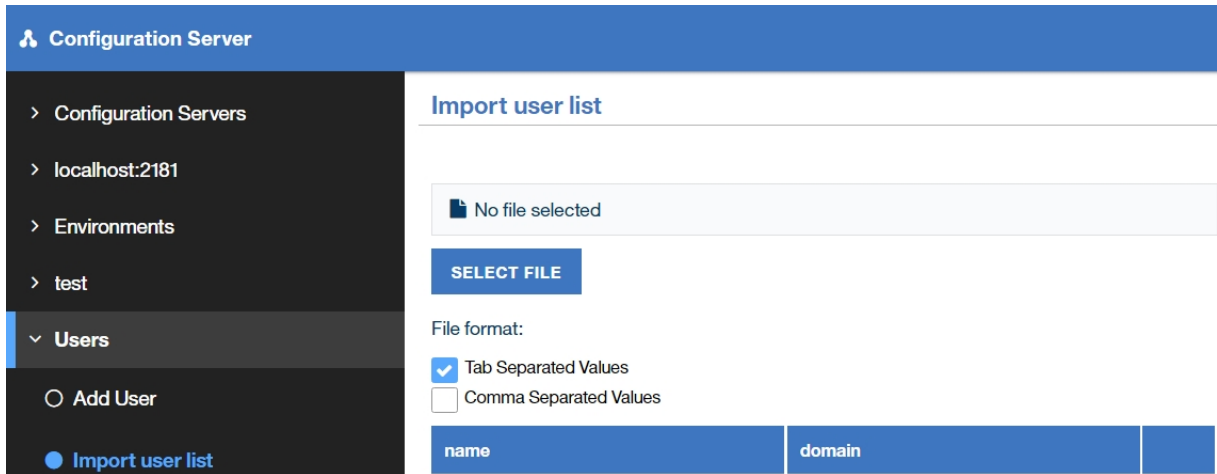
- ▼ **Configuration Servers**
 - Add Configuration Server
 - > localhost:2181

Configuration Servers

Select an action from the navigation panel.

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 AD Configuration Server**.

Before you begin

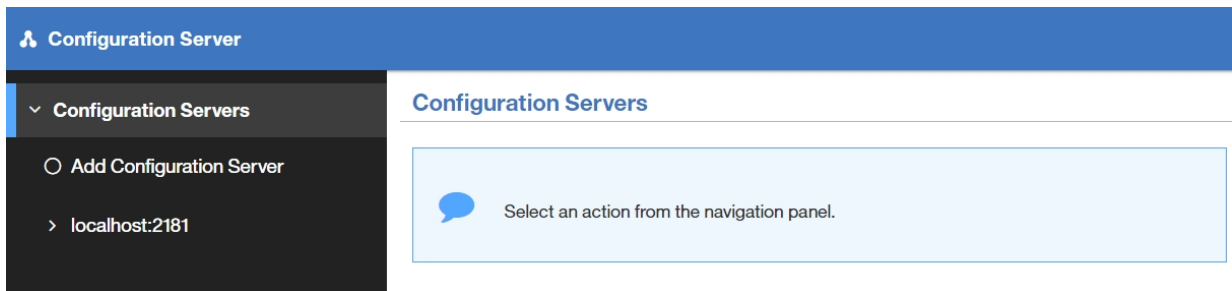
- Add a configuration server.
- Add an environment to the configuration server.
- Add a relational database server to your environment.
- Define or import users.
- Define a user group.

About this task

Users can be added to user groups to control their access to specific workspaces and projects.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of **IBM AD 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 AD Configuration Server** is displayed. Select the user that you want to add to the current group the 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"(**A**ccess **C**ontrol **L**ist). 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"(**A**ccess **C**ontrol **L**ist). 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.

Determining the Number of the Authorized or Floating Users

"Authorized User" and "Floating User" are two units of measure by which the program can be licensed. For more information about the license metrics of AD or ADDI, find the License Information documents for the products at <https://www-03.ibm.com/software/sla/sladb.nsf>.

To determine the number of the authorized or floating users for AD, total the corresponding users that are given access to one or more AD servers via the AD workspace access control list.

To determine the number of the authorized or floating users for ADDI, total the corresponding users that are given access to one or more AD servers or ADI servers. For more information about ADI user management, see topic [Configuring User Groups in IBM AD Configuration Server](#) in *IBM ADDI Extension User Guide*.

Creating an IBM Application Delivery Intelligence for IBM Z Install Configuration

By creating an IBM Application Delivery Intelligence for IBM Z (ADI) install configuration in IBM AD Configuration Server, the adi-setup application can read and set up IBM ADI with the configuration settings.

Procedure

1. Start IBM AD Configuration Server.
2. From the available configuration servers, select the server where you can create an IBM ADI 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 topic [Configuring IBM AD Configuration Server](#) in *IBM ADDI Extension User Guide*.

Enabling Business Rules Discovery

Learn how to enable the Business Rules Discovery (BRD) feature.

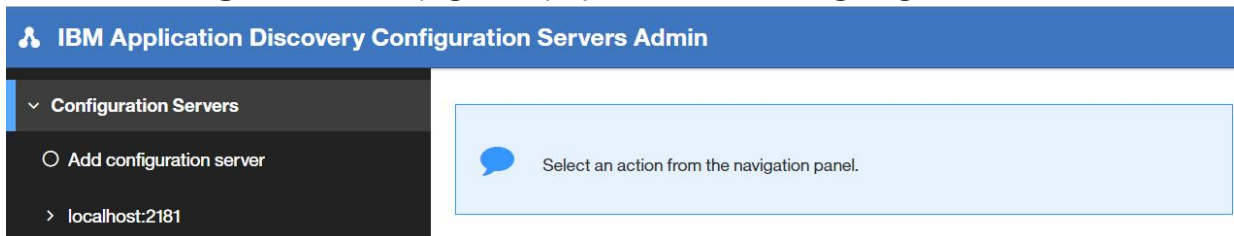
About this task

The BRD feature allows IBM AD to save data that is used to define Business Rules within IBM ADI.

Note: The user can choose to define the Business Rules for projects that are created in IBM AD Build Client by following this procedure.

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of the **IBM AD Configuration Server** page 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 **Projects**.
4. The **Projects** page is displayed. Select the project for which you want to enable the BRD feature.
5. Select **Information** and go to **Other properties** tab.
6. Click **Edit** and select the **Enable Business Rules Discovery** check box.

7. Click **Save**.

Important: Business Rules Discovery was enabled and will come into effect at the next project build. For more information, see [Building Projects](#) in *IBM AD Build User Guide*.

Enabling Cross Applications

Learn how to enable the Cross Applications feature.

About this task


Important: The **Cross Applications** feature is still under development.

The Cross Applications feature can be enabled for the projects that are created in **IBM AD Build Client** by following this procedure. The **Cross Applications Callgraphs** can be generated to show calls between different mainframe projects that have their databases on the same DB instance. For more information, see [Cross Applications Callgraph](#) in *IBM AD Analyze User Guide*

Procedure

1. To access **IBM AD Configuration Server**, go to **Start > All Programs > IBM Application Discovery Configuration Server > Launch IBM Application Discovery Configuration Server**. The main page of the **IBM AD Configuration Server** page 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 **Projects**.
4. The **Projects** page is displayed. Select the project for which you want to enable the Cross Applications feature.
5. Select **Information** and go to **Other properties** tab.
6. Click **Edit** and select the **Enable Cross Applications** check box.

 **IBM Application Discovery Configuration Servers Admin**

> Configuration Servers

> localhost:2181

> Environments

> AutomationEnv

> Projects

> **CrossProjTran1**

● Information

Project: CrossProjTran1

Info Source application Relational database **Other properties**

☐ Enable Business Rules Discovery

☒ Enable Cross Applications

EDIT

7. Click **Save**.

Important: Cross Applications was enabled and will come into effect at the next project build. For more information, see [Building Projects](#) in *IBM AD Build User Guide*.

Documentation Notices for IBM Application Discovery for IBM Z

This edition applies to version 5.1.0 of IBM Application Discovery for IBM Z with the corresponding fix packs.

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