

Creating a Repository with Multiple Languages



Applies to:

SAP NetWeaver Master Data Management (MDM) SP3, SP4, SP5.
For more information, visit the [Master Data Management homepage](#).

Summary

This article provides a step-by-step procedure to create a new repository in MDM Console.

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What is MDM Repository?

An MDM repository certainly includes a database of information consisting of text, images, Puffs, and other data about each record, up to millions of records for some repositories. But a master data repository is much more than just a large database, and size by itself does not make a database a master data repository; rather it is the richness and complexity of the underlying information itself and the ways it can be searched and published and not simply the number of records that uniquely characterize an MDM repository.

Moreover, when an MDM repository of product information is published as a catalog, the repository of master data is also a sales tool, which lists the products offered for sale by a vendor and allows potential customers to browse those products in a convenient way. Often, the published catalog is the only point of contact a customer will have with a vendor, which makes the presentation of the product information.

MDM Repository Structure

- **Main table:** Every MDM repository has exactly one main table. The main table consists of the primary information about each main table record.
- **Sub tables:** An MDM repository can have any number of sub tables. A sub table is usually used as a lookup table to define the set of legal values to which a corresponding lookup field in the main table can be assigned; these tables hold the lookup information.
- **Object tables:** Object tables include the Images, Text Blocks, Text HTMLs, and PDF tables. An object table is a special type of lookup subtable, where each object table is used to store a single type of object, such as images, text blocks, HTML text blocks, or PDF files.
- **Special tables:** Special tables include the Masks, Families, Image Variants, Relationships, Workflows, Data Groups, and Validation Groups tables. Each special table has its own behavior with respect to how it is created and managed.
- **System tables:** System tables appear under the Admin node in the Console Hierarchy and include the Roles, Users, Logins, Change Tracking, Client Systems, XML Schemas, Reports, and Logs tables. Each system table has its own behavior with respect to how it is managed.

MDM Repository Table Types

Table Type

Main table and sub tables

Flat

Main table or subtable. The main table of an MDM repository is always a flat table.

Hierarchy

A hierarchy table organizes information in a hierarchy, where each record is related to a parent record and may also be related to sibling records and/or child records.

Taxonomy

Taxonomy is the classification scheme that defines the categories and subcategories that apply to a collection of records. A taxonomy table in MDM stores a hierarchy of categories and subcategories and also supports attributes MDM supports multiple simultaneous taxonomies.

Qualified

A qualified table in MDM stores a set of lookup records, and also supports qualifiers MDM supports multiple simultaneous qualified tables.

Business Scenario

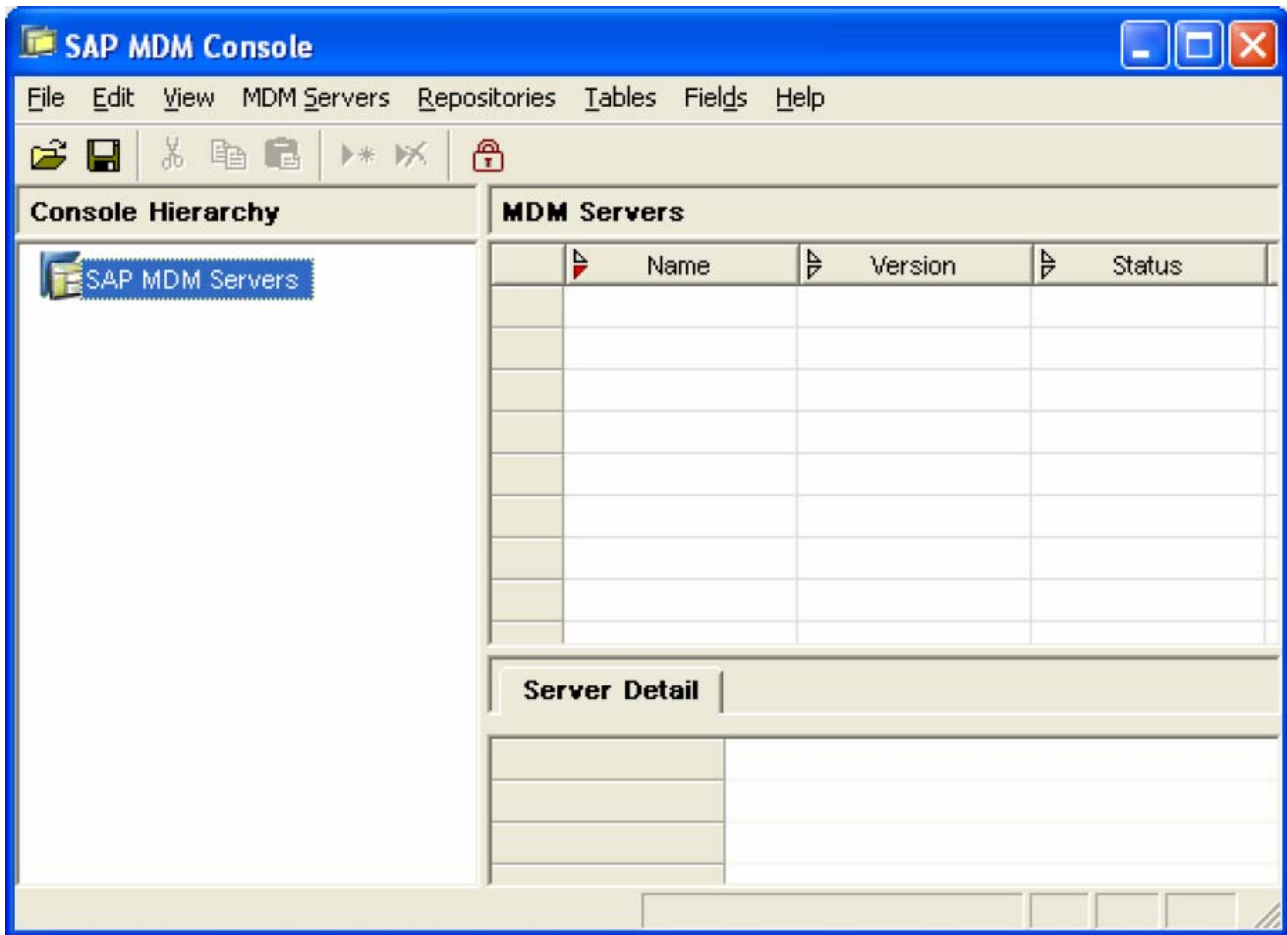
Existing repositories do not meet your requirements or you need a new repository with multilingual languages for testing, development or training.

Process Flow Overview

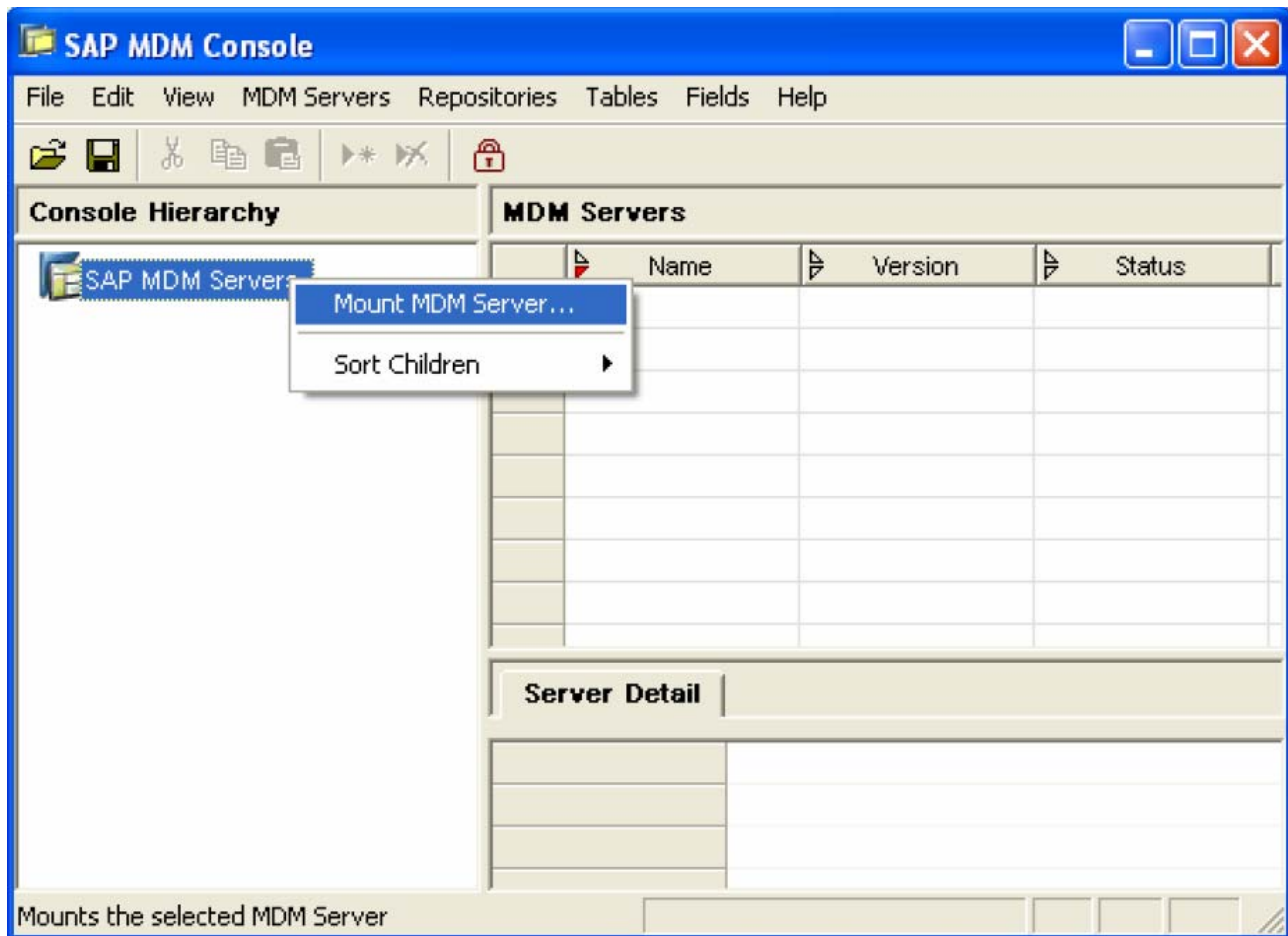
1. Launch MDM Console
2. Select MDM Server
3. Create New Repository
4. Add the Spanish Language to the selected languages.
5. View multilingual languages: English, Spanish.
6. Load Repository.
7. Verify Results

Process Flow Steps

1. Launch the MDM Console application from your Windows desktop. You should see:




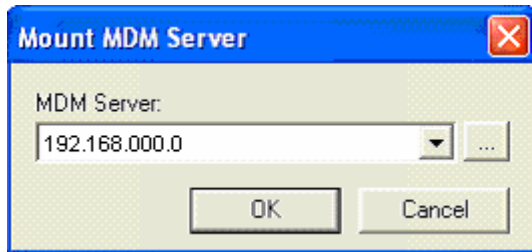
2. As you will need to mount the server. To mount the server, right-click **"SAP MDM Servers"** in the console Hierarchy and select **"Mount MDM Server..."**



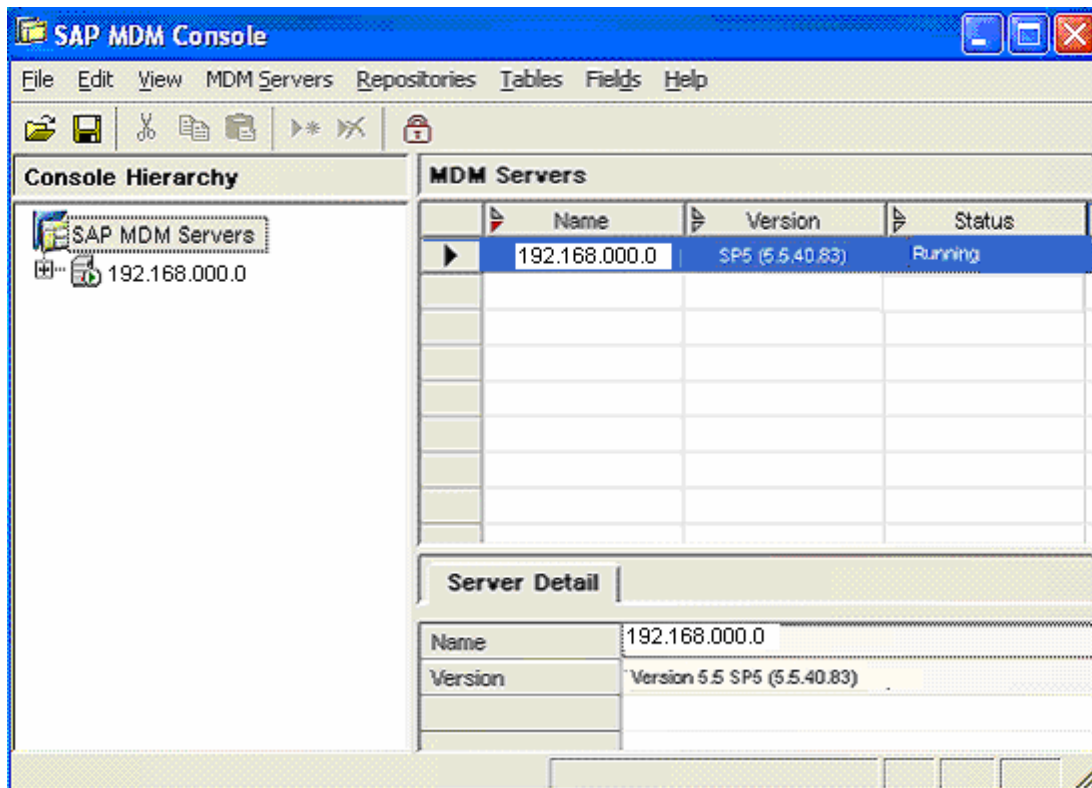
You should see:



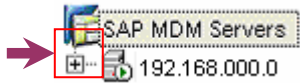
3. You can select the MDM Server from the dropdown list of recently-used Servers, or type in its name, or click the  button to browse for and select it from a list. For this exercise type in server name **192.168.000.0** as follows:



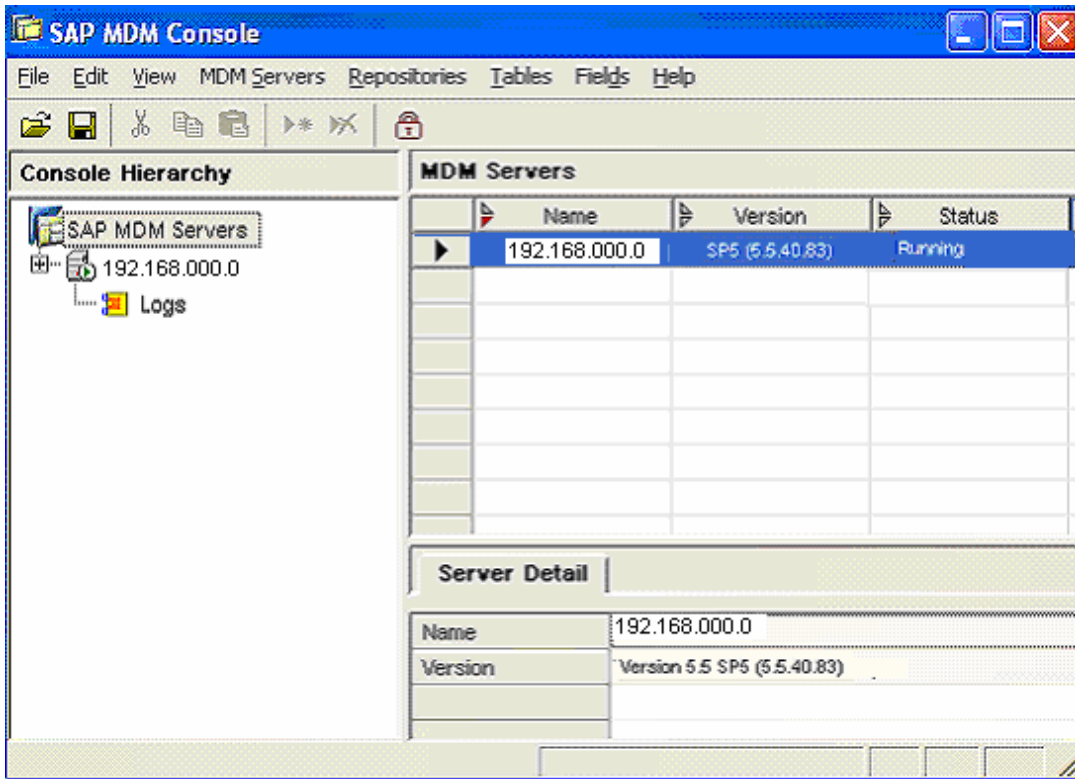
4. Press the OK button. You should see:



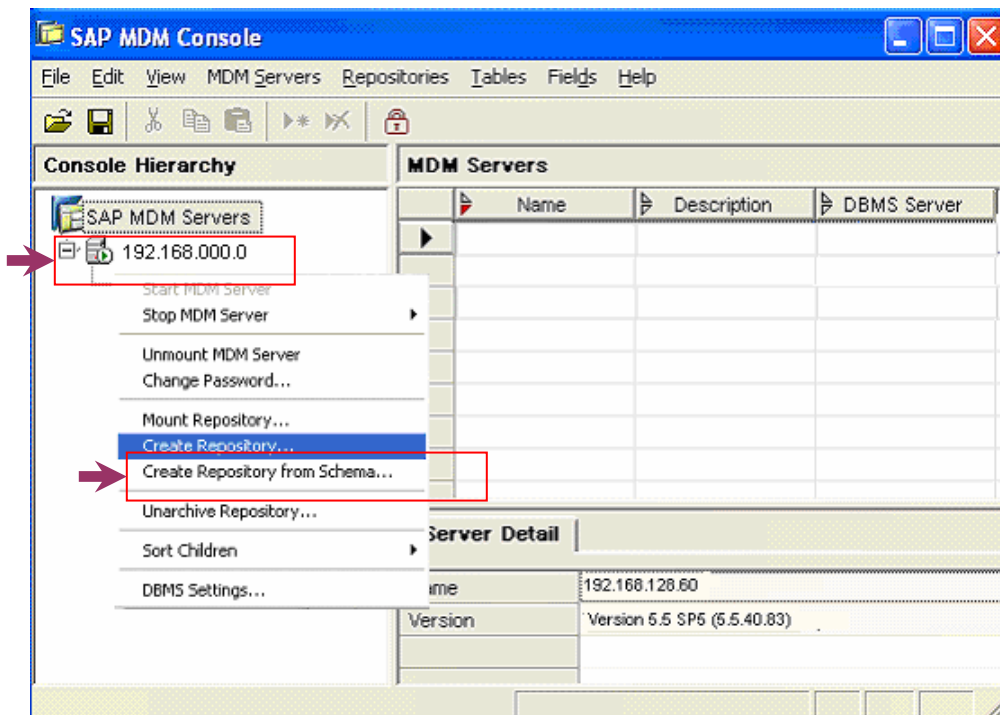
5. Display the existing list of repositories by clicking on the “+” sign to the left of the server name



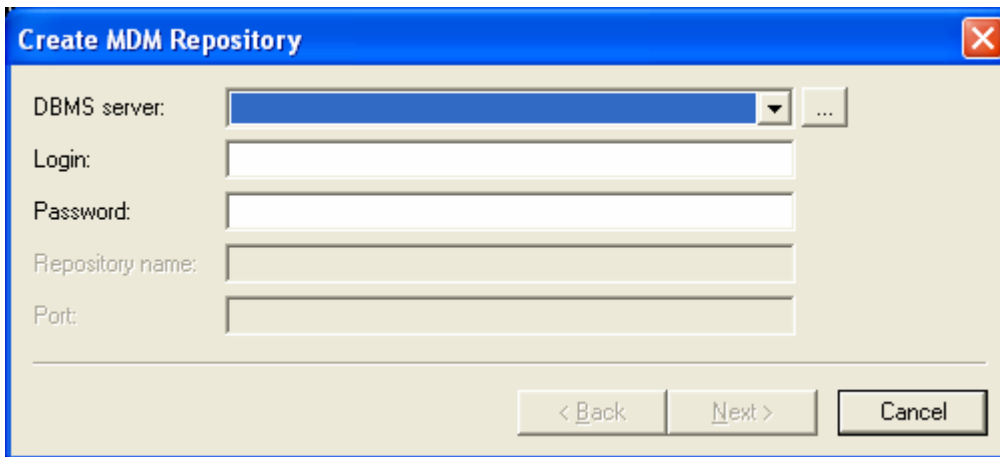
You should see something like the following:



6. Right-click on the Server name and select “Create Repository...”




You should see:

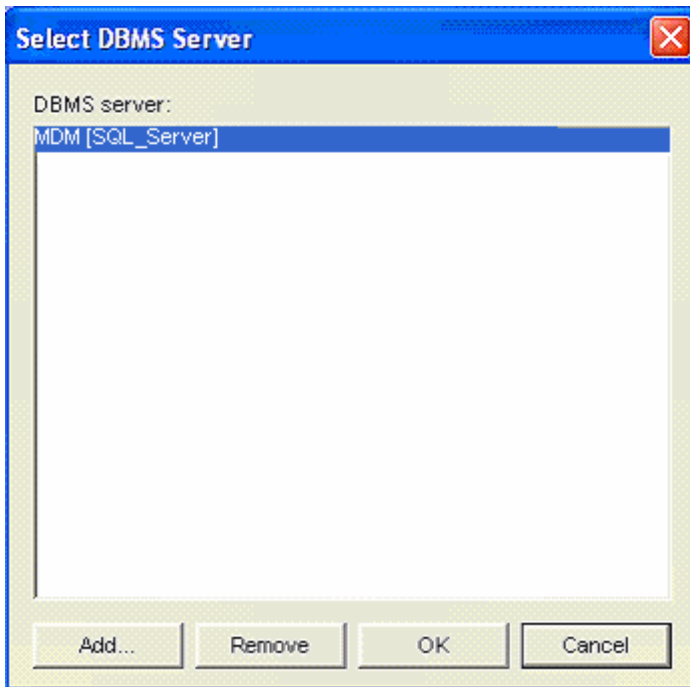


The screenshot shows a dialog box titled "Create MDM Repository". It contains the following fields and controls:

- DBMS server:** A dropdown menu with a blue bar and a small "..." button to its right.
- Login:** A text input field.
- Password:** A text input field.
- Repository name:** A text input field.
- Port:** A text input field.

At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

7. Select a database server from the dropdown list of recently-used servers or click the  button to browse for and select from a list. For this exercise, browse for and select the **MDM [SQL_Server]** database:

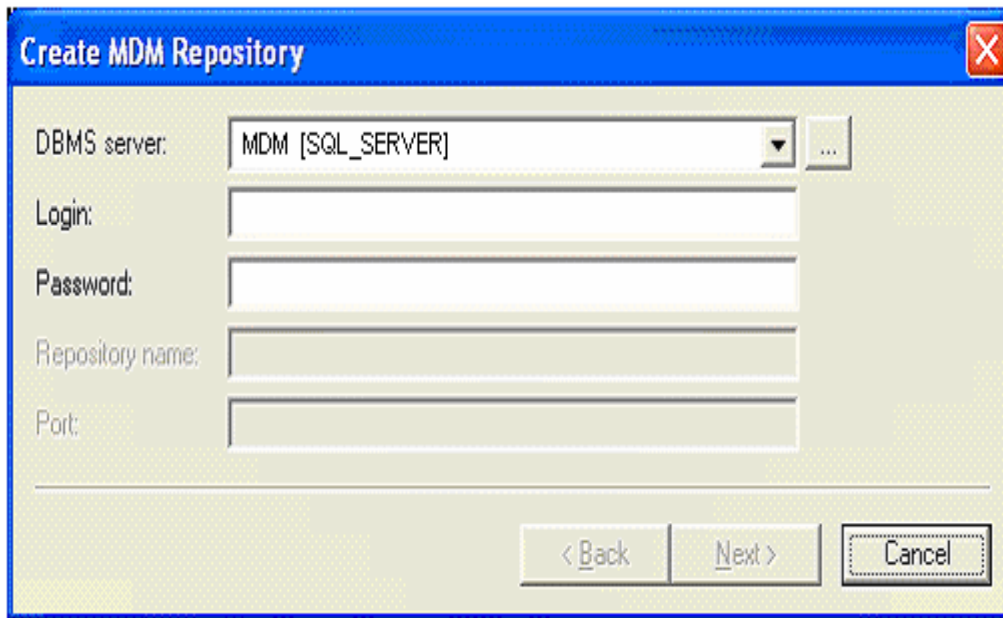


The screenshot shows a dialog box titled "Select DBMS Server". It contains the following elements:

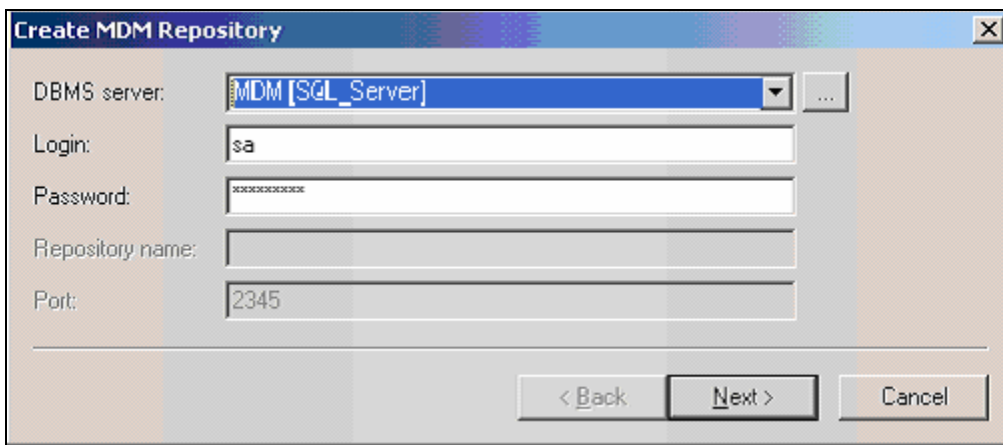
- DBMS server:** A label above a list box.
- List box:** A list box containing one item, "MDM [SQL_Server]", which is highlighted with a blue background.

At the bottom of the dialog, there are four buttons: "Add...", "Remove", "OK", and "Cancel".

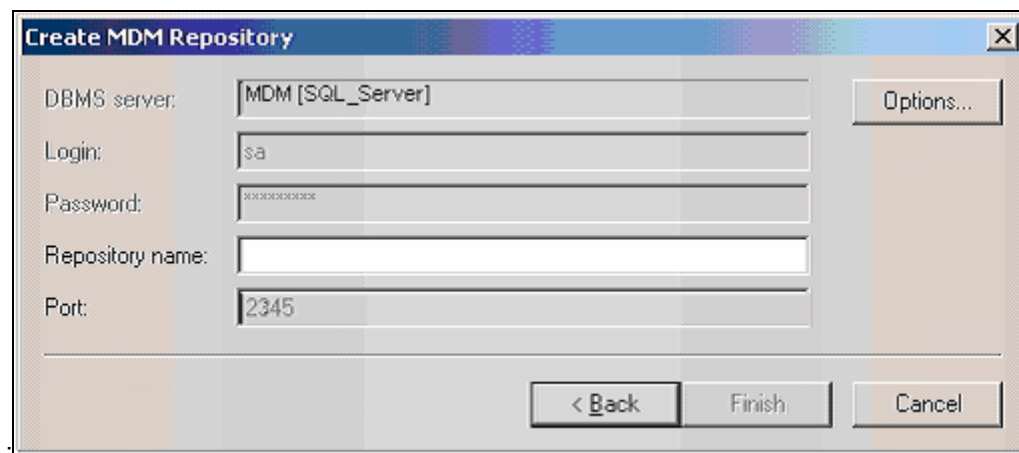
8. Select **MDM [SQL_Server]** and click the OK button. You should see:



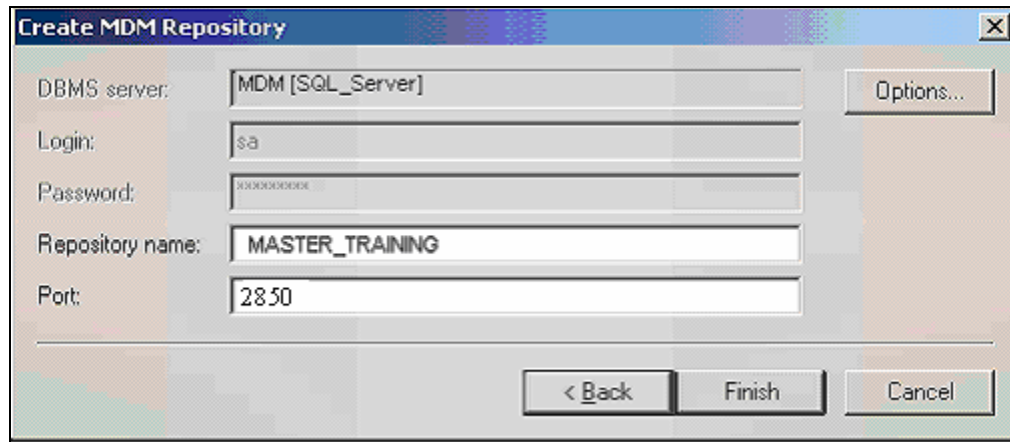
9. Enter the Login and Password information:




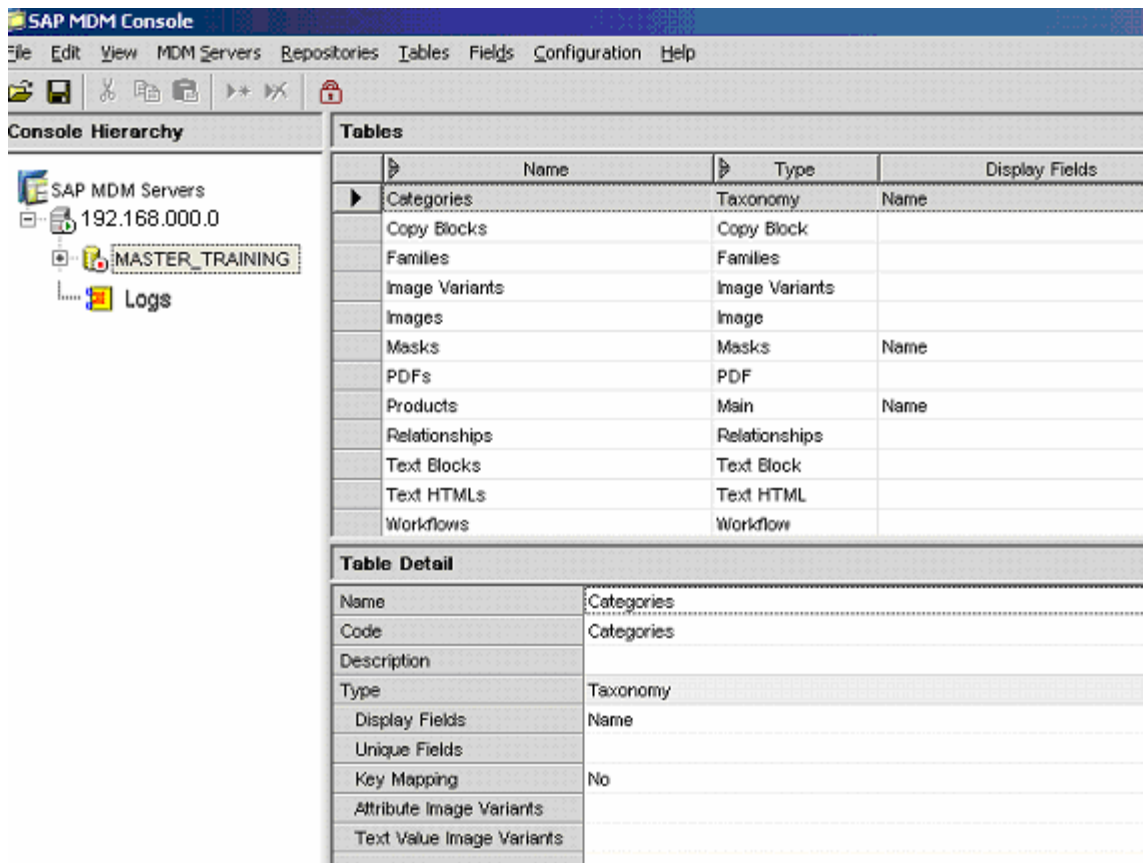
10. Click **Next >**. You should



11. Type in the name of the repository, using the syntax **MASTER_TRAINING** and enter the port number. You should see something like the following:

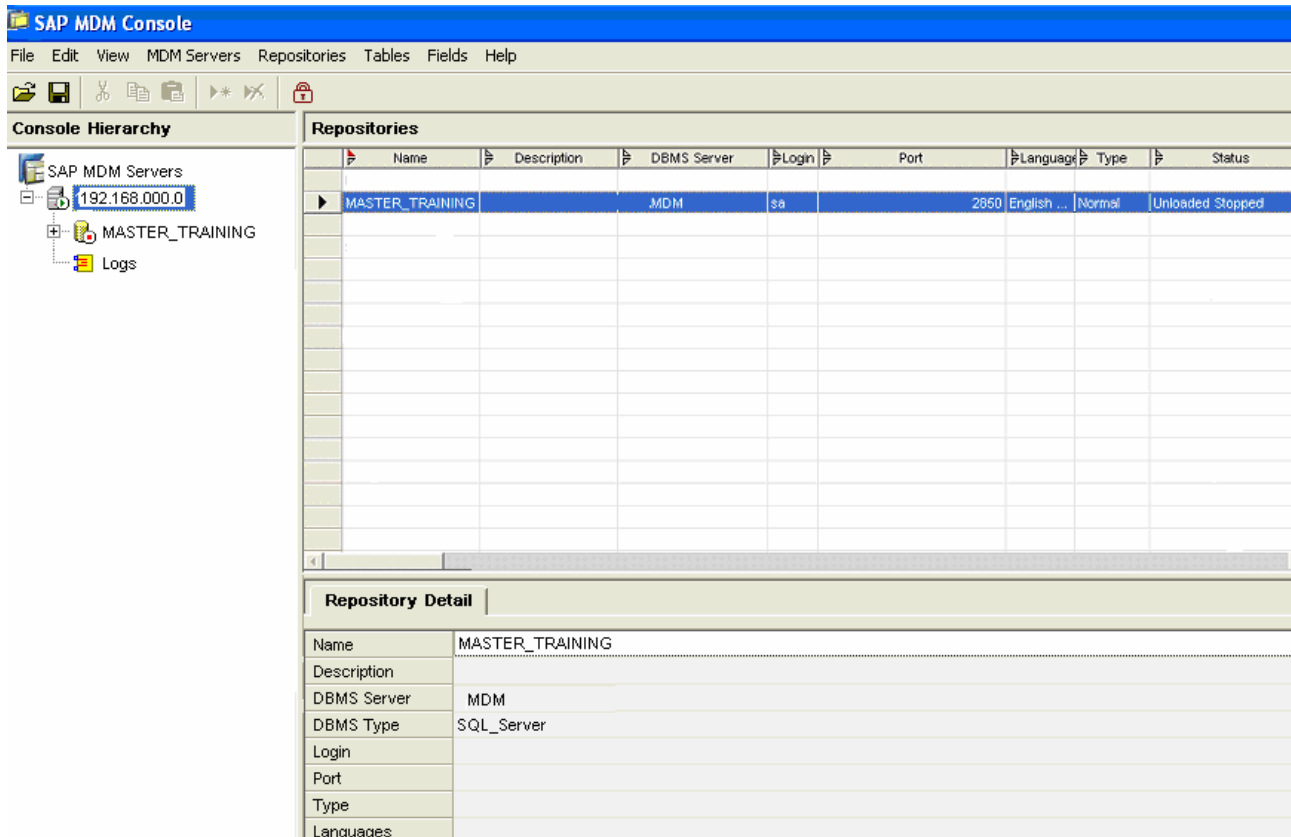


12. Verify that the Repository Name and Port are correct. Click . You should see:

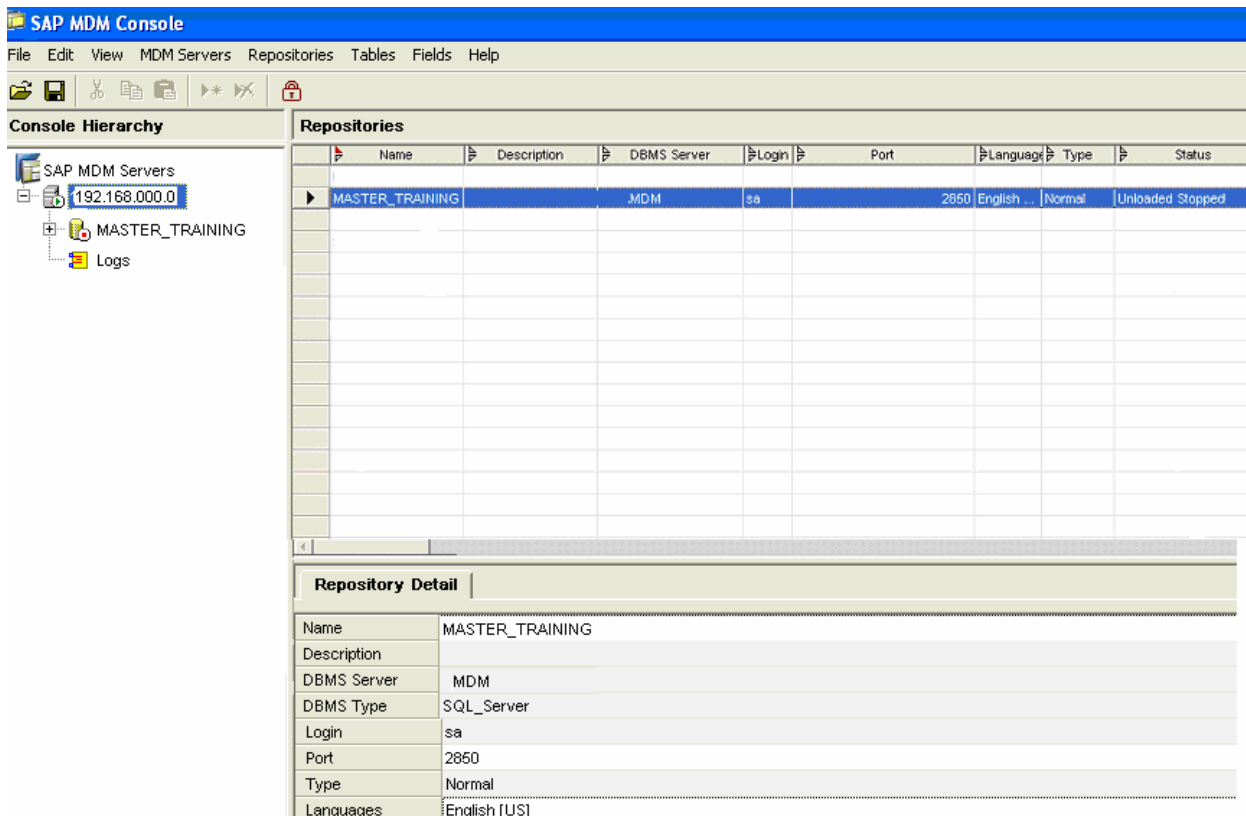


Repository **MASTER_TRAINING** has been created successfully.

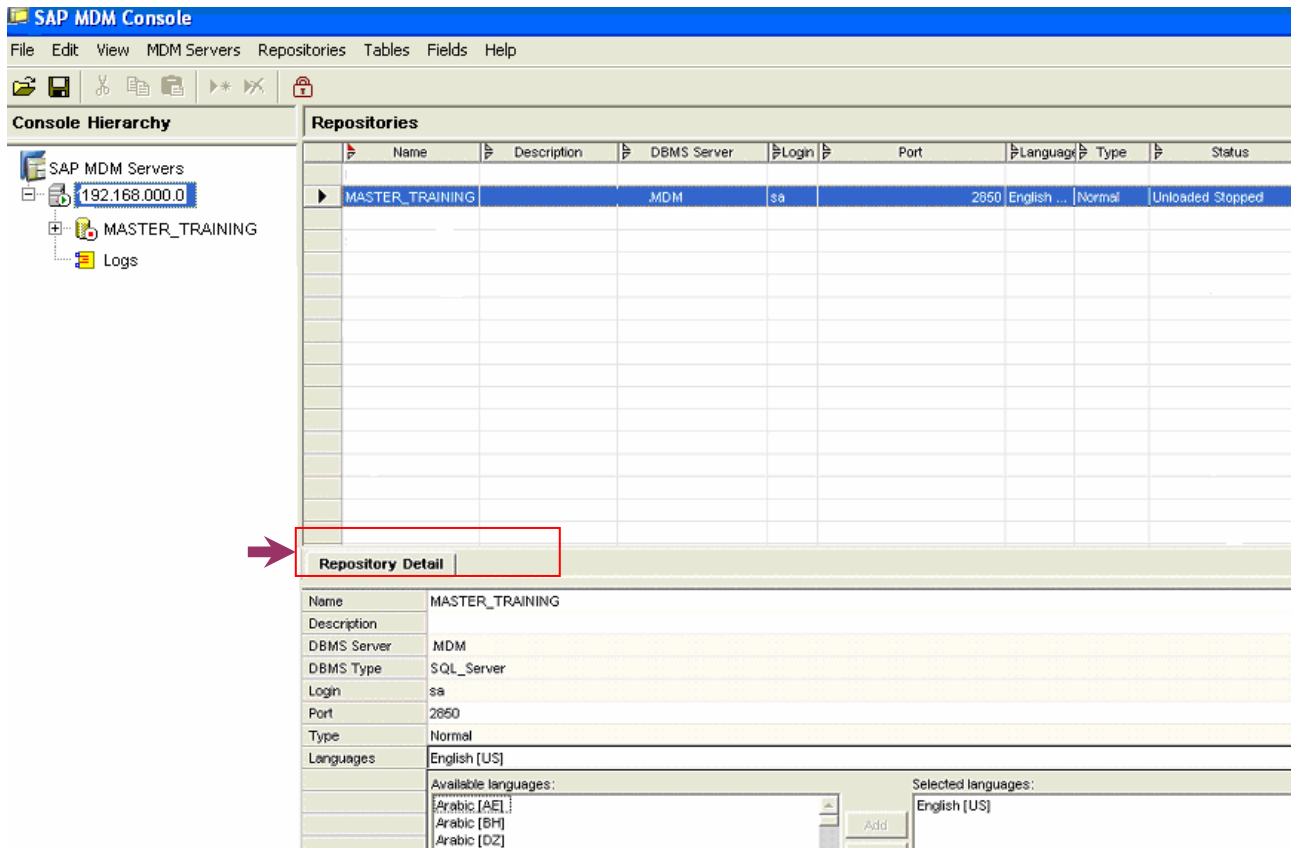
13. Click on the MDM Server name in the left-hand side of the window (in the Console Hierarchy tree)



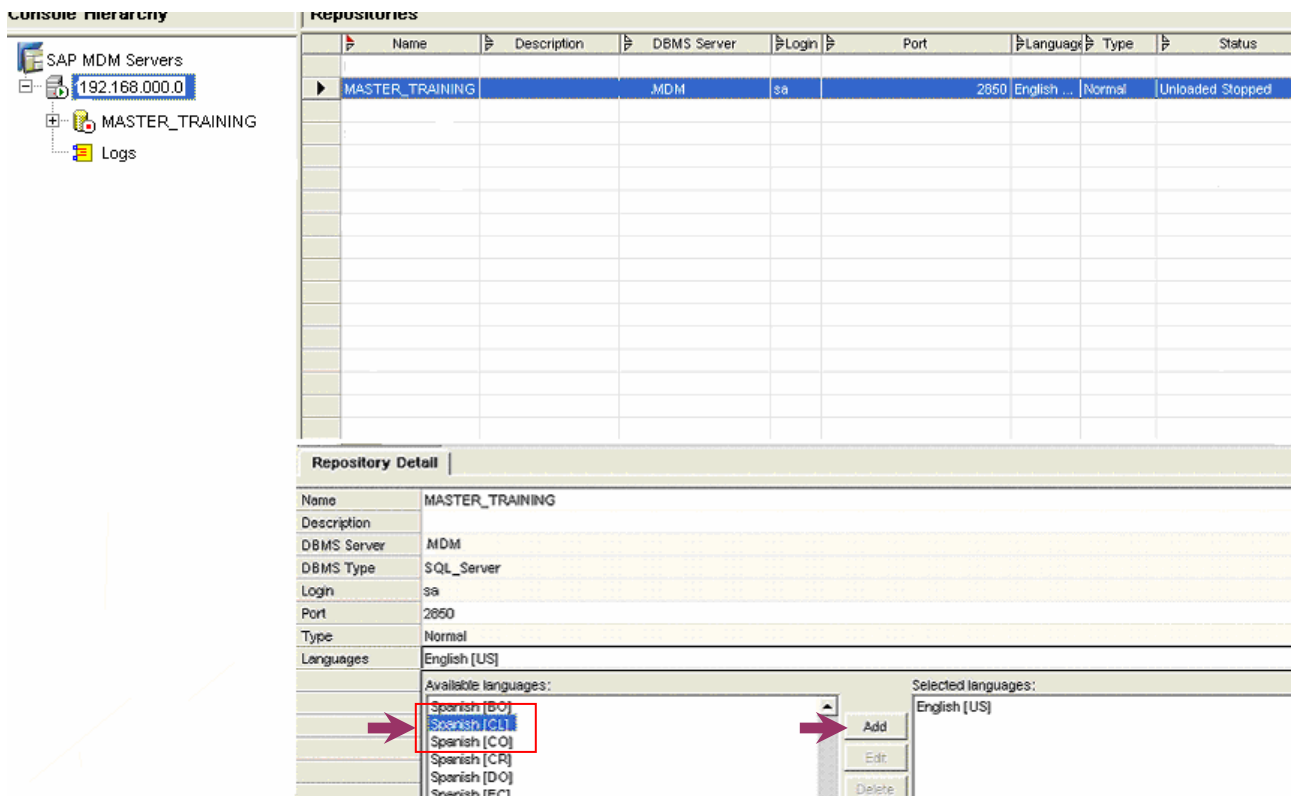
14. Click on the Repository name in the right-hand side of the window (in the Repositories list)



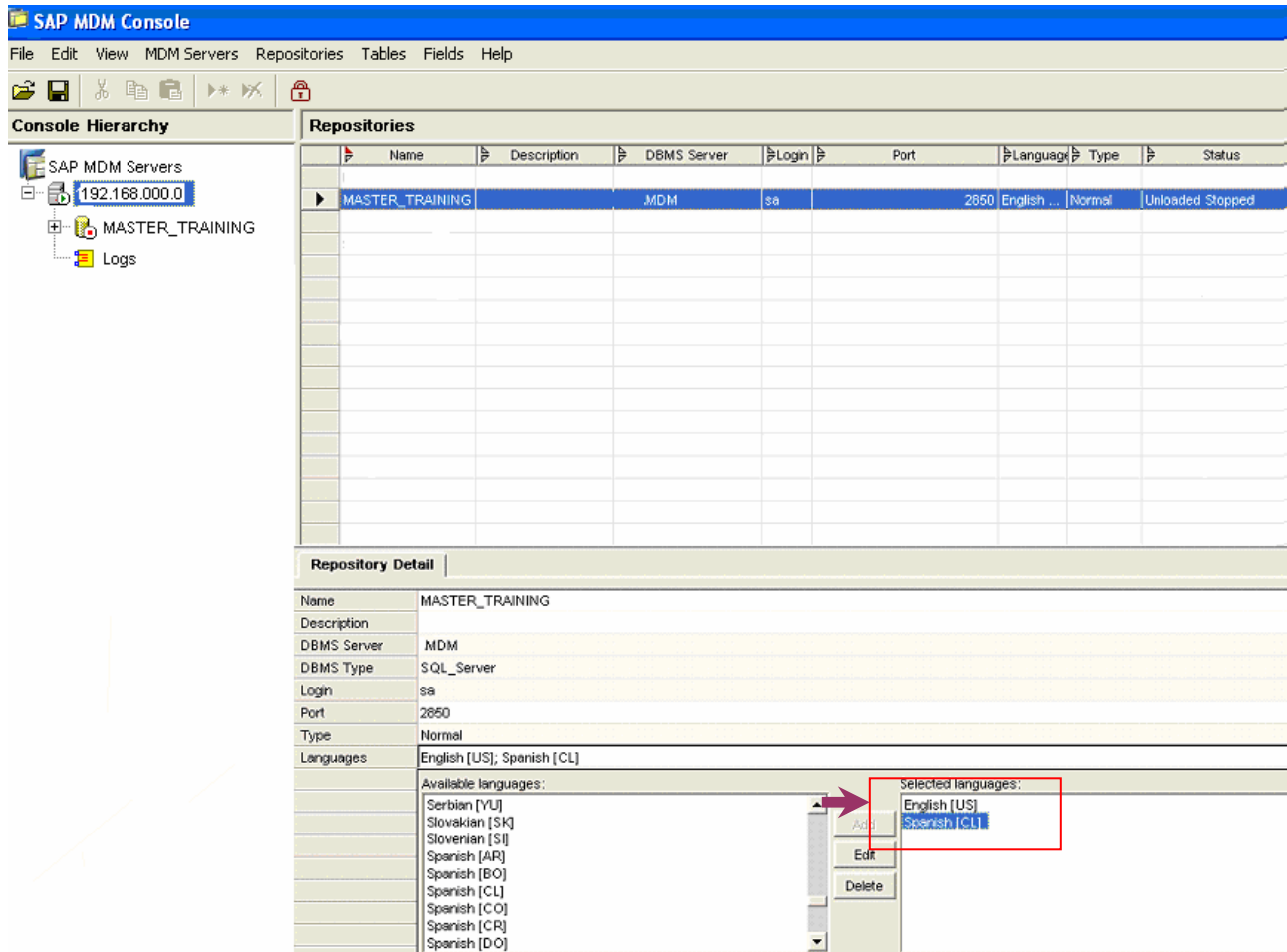
- In the Repository detail pane, select the language field (drop down list).



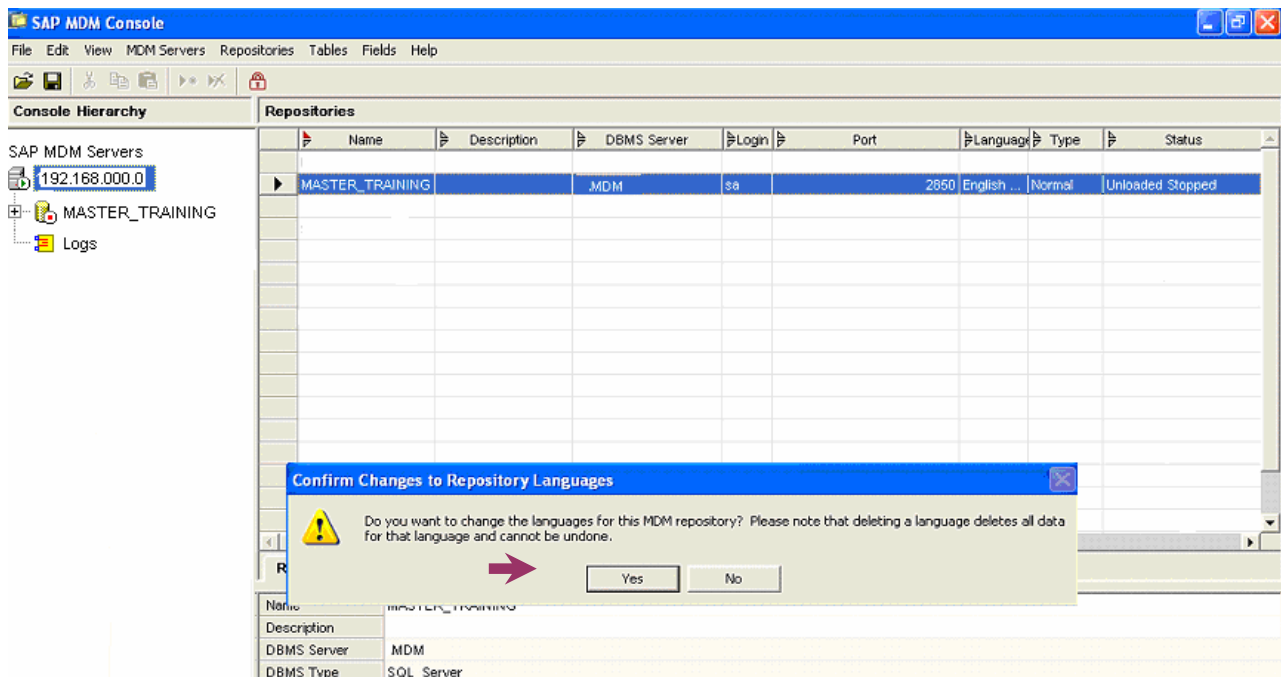
- Select the **Spanish** language from the available languages and **Add** to selected languages



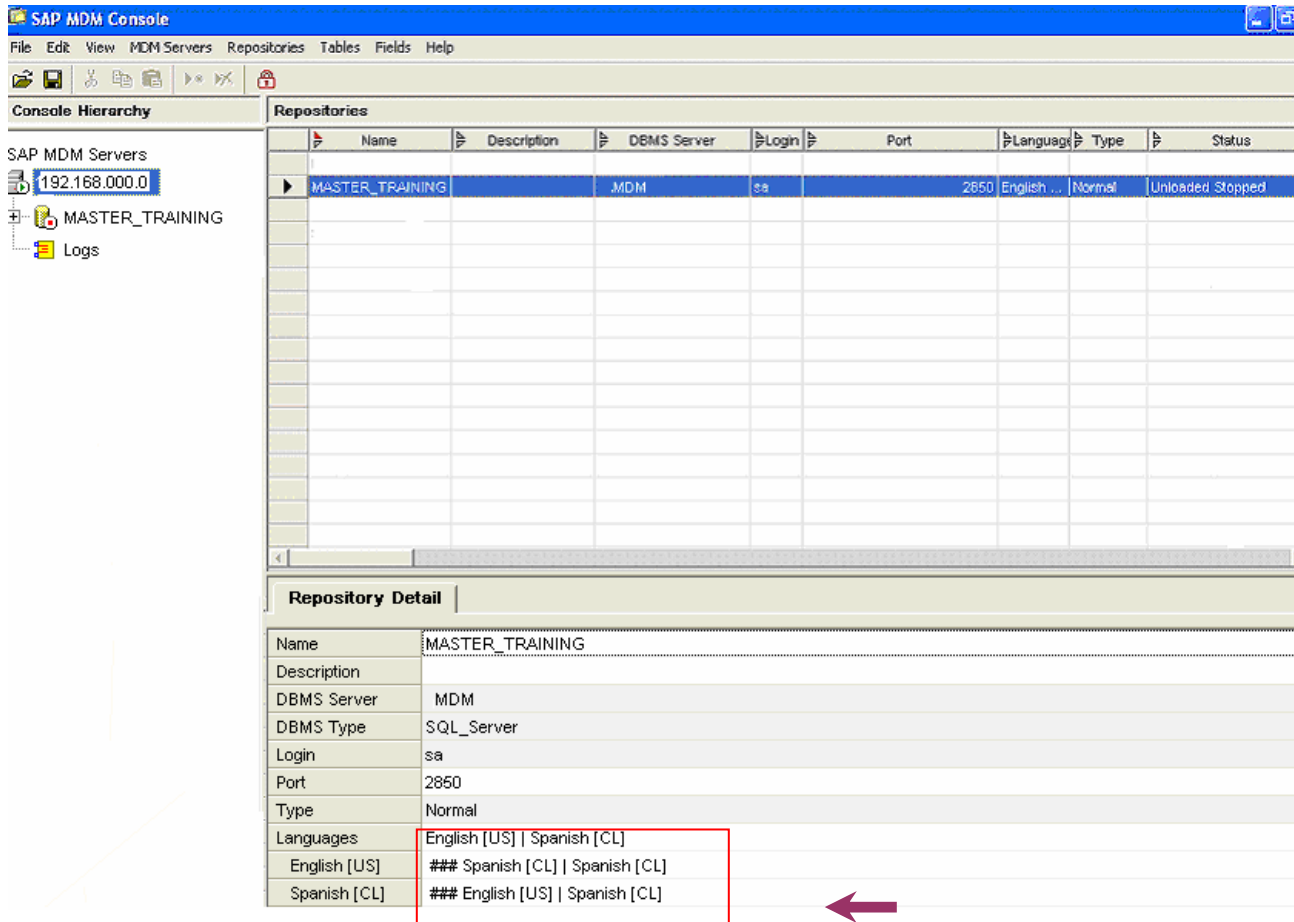
You should see:



17. Press (Shift + Enter) to save the selected languages and you should see

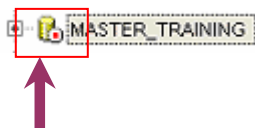


18. Click on **yes** and you verify the results as that “English” and “Spanish” should now be listed in Languages field of the Repository Detail area.



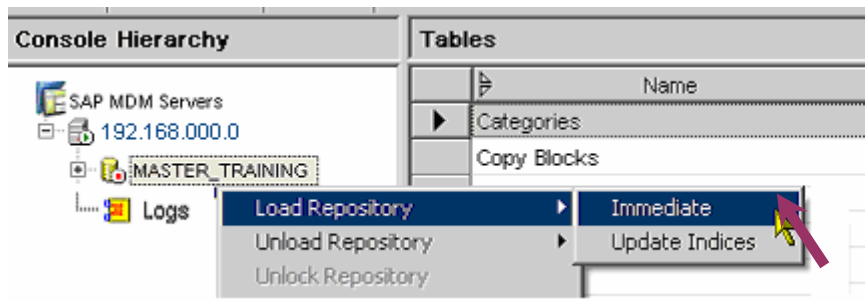
You have successfully created your repository with multi-languages.

19. In the **Console Hierarchy**, note the red dot on the icon to the left of your repository name:

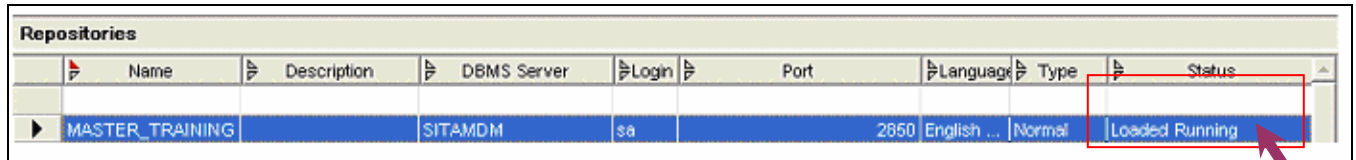


This indicates that the repository is not up and running. All you have done is just created it.

20. To start your repository (load it into memory), right-click on your repository and select **Load Repository | Immediate**



21. Verify the status by checking the Status column in the right-hand side of the window. After some time, you should see a final status of "Loaded Running"



The screenshot shows a table titled "Repositories" with the following columns: Name, Description, DBMS Server, Login, Port, Language, Type, and Status. The row for "MASTER_TRAINING" is highlighted in blue, and its status is "Loaded Running". A red box highlights the "Loaded Running" text, and a red arrow points to it from the right.

| Name | Description | DBMS Server | Login | Port | Language | Type | Status |
|-----------------|-------------|-------------|-------|------|-------------|--------|----------------|
| MASTER_TRAINING | | SITAMDM | sa | 2850 | English ... | Normal | Loaded Running |

Congratulations! You have successfully created your repository and made it available for use.

Related Content

Please include at least three references to SDN documents or web pages.

http://help.sap.com/saphelp_mdm550/helpdata/en/8e/9f9c427055c66ae1000000a155106/frameset.htm

For more information, visit the [Master Data Management homepage](#).

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