



# IBM Education Assistant

**IBM Rational ClearCase™ (version 7.x)  
Unified Change Management™**

**Exercise 1: PVOB Creation and Definition**

**Rational.** software



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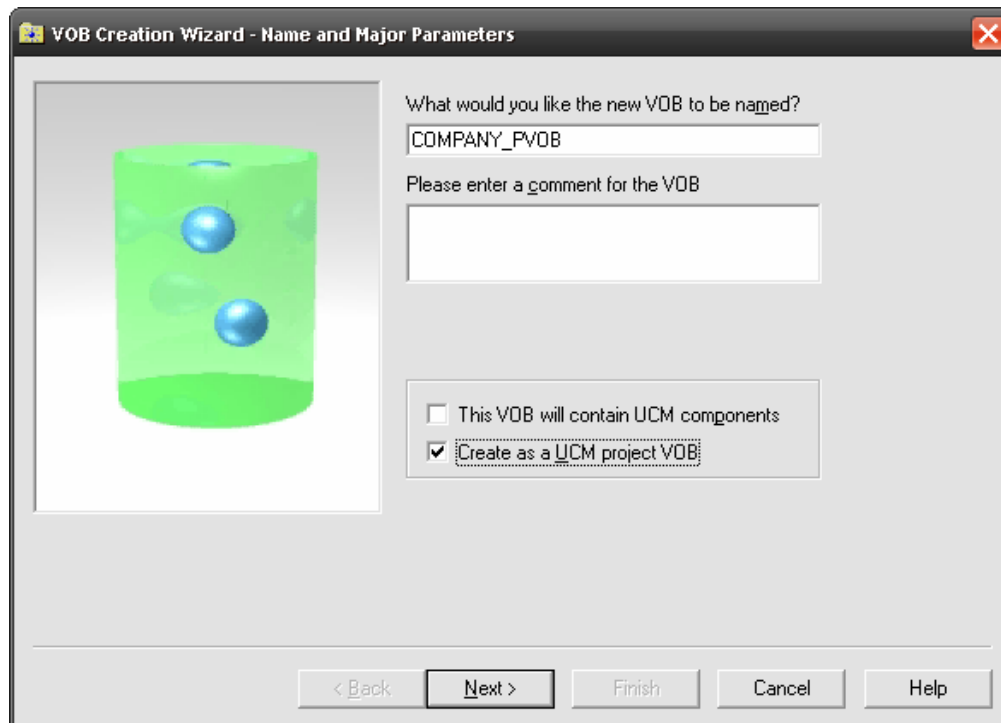
## Exercise 1: PVOB Creation and Definition

### UCM Project VOB (PVOB)

To begin the creation of a UCM environment you must create a UCM Project VOB (UCM PVOB). A PVOB contains UCM objects such as projects, streams, activities, and change sets that are used to manage the development artifacts in components.

#### The VOB Creation Wizard – Name and Major Parameters window.

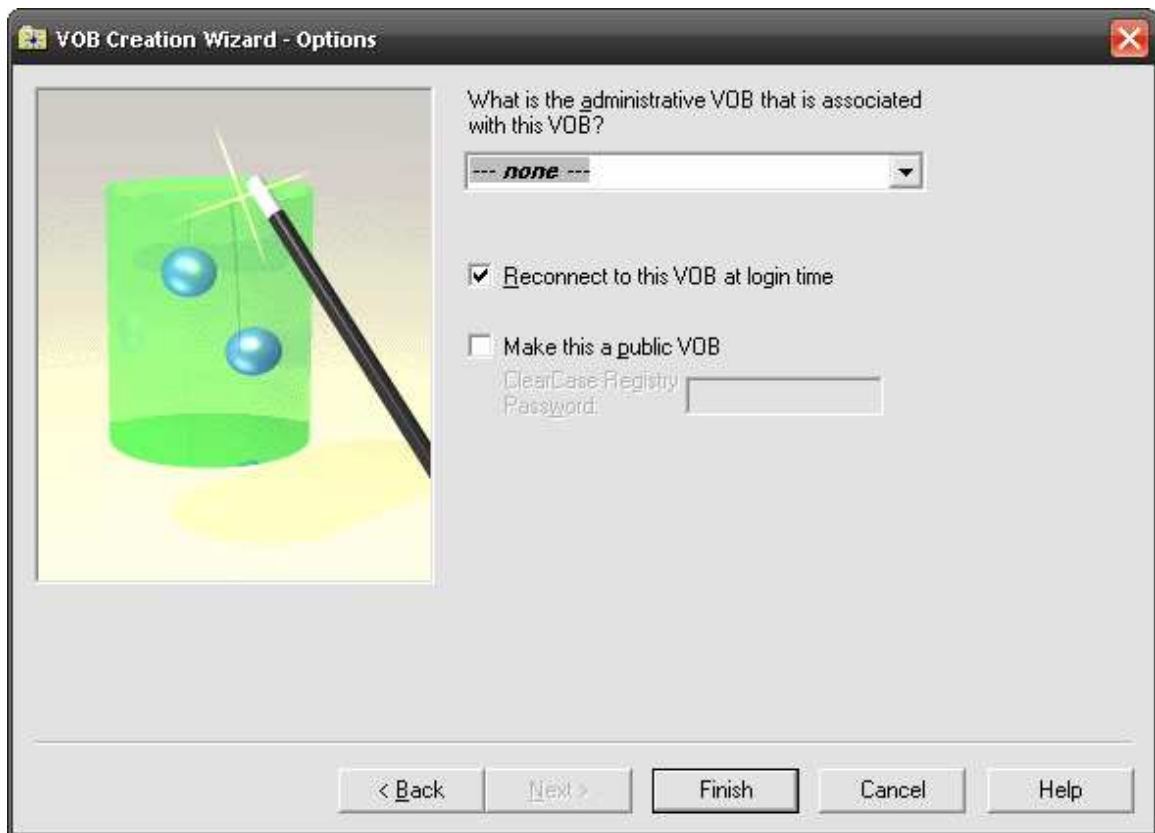
1. Use the VOB Creation Wizard to create a UCM Project VOB.
  - Enter VOB tag name **COMPANY\_PVOB**
  - Select the **Create as a UCM project VOB** (also known as turning a VOB into a PVOB)
  - Click **Next**



2. Specify the VOB storage location
  - a. On the **VOB Creation Wizard – Storage** window, select the appropriate place to store the VOB. Use the default or enter an explicit path.
  - b. In this case, select the VOB storage location for COMPANY\_PVOB.vbs
  - c. Click **Next**.



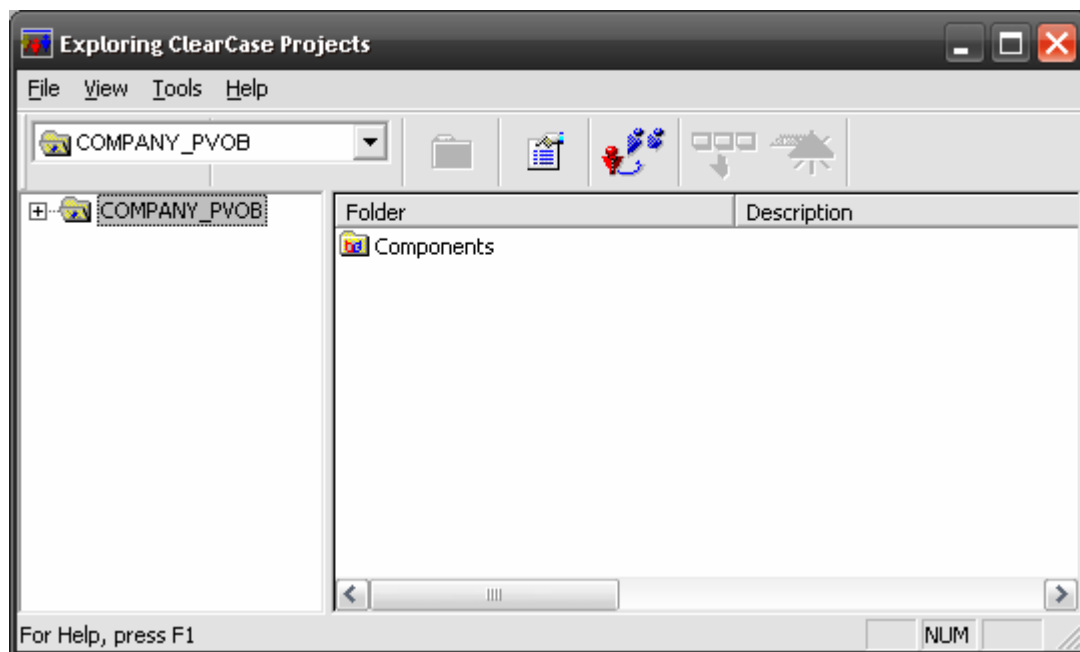
3. Set Administrative options for the VOB
  - a. On the **VOB Creation Wizard – Options** window, you assign appropriate administrative privileges
  - b. For this exercise, select **---none---** as this VOB will not have an associated administrative VOB. **Note:** This means that this VOB WILL NOT share components with other PVOBS.
  - c. Check the **Reconnect to this VOB at login time option**
  - d. Click **Finish**



## Viewing the PVOB in the ClearCase™ Explorer

You can now open up the Project Explorer to view the PVOB you just created

1. Click **Start> Programs> Rational Software> Rational Clearcase> Project Explorer**
2. The **Exploring ClearCase Projects** window opens
3. View the PVOBs root folder and the COMPANY\_PVOB components here



## Creating the PVOB from the CLI (Command-Line Interface)

You can also create a PVOB using the Command-Line Interface as follows:

1. Open a CLI (or command prompt)
2. Enter the following command:

```
cleartool mkvob -tag \COMPANY_PVOB -ucmproject \\host_name\ccstg\vobs\COMPANY_PVOB.vbs
```

- o **Mkvob** is the command to create VOBs from the Command line
- o **\COMPANY\_PVOB** Is the VOB tag for the PVOB to be created
- o **-ucmproject** is the flag specifying the VOB as a PVOB
- o **\\host\_name\ccstg\vobs\COMPANY\_PVOB.vbs** is the UNC path to the VOB storage directory

## Verify PVOB creation from the CLI (Command-Line Interface)

1. From the CLI you can run a cleartool lsvob command to confirm that it is registered as a UCM PVOB.

- Open a CLI (or command prompt)
- Enter the following command:

```
cleartool lsvob \COMPANY_PVOB
```

- **cleartool lsvob** is a command that confirms if a VOB is registered as a UCM PVOB.
- Your results should look like this:

```
C:\Documents and Settings\wfrontiero>ct lsvob \tonka  
\\host_name\vobs\tonka.vbs private (ucmvob)
```

- When running a cleartool lsvob, "**(ucmvob)**" appears next to the registered vob. This confirms that the vob is a UCM PVOB.
- **\\host\_name** in this example is the UNC path for the VOB. Your actual machine name will be displayed here.

Congratulations! You have successfully created a UCM Project VOB (PVOB) using the VOB Creation Wizard or the Command-Line Interface.



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