REMOVED_Upgrading from WSO2 Business Process Server

This page walks you through the process of upgrading to WSO2 Enterprise Integrator (WSO2 EI) 6.3.0 from WSO2 Business Process Server (WSO2 BPS) 3.6.0.

> ✅ If you are upgrading from a version older than WSO2 BPS 3.6.0, you should first upgrade to WSO2 BPS 3.6.0 and then upgrade to WSO2 EI 6.3.0.

> ⓘ
> - For information on what is new in this release and why you should upgrade, see About this Release.
> - See Default ports of WSO2 Products in the WSO2 Administration Guide, for more information on ports. The default ports in WSO2 EI are listed under **Enterprise Integrator**.
> - The distribution folder structure has changed from WSO2 BPS 3.6.0 to WSO2 EI 6.3.0. The changes in the folder structure for directory locations are as follows:
>
> | Business Process Server 3.6.0 | Enterprise Integrator 6.3.0 |
> |---|---|
> | `<BPS_HOME>/repository/conf` | `<EI_HOME>/wso2/business-process/conf` |
> | `<BPS_HOME>/repository/conf/axis2` | `<EI_HOME>/wso2/business-process/conf/axis2` |
> | `<BPS_HOME>/repository/conf/datasources` | `<EI_HOME>/wso2/business-process/conf/datasources` |
> | `<BPS_HOME>/repository/components/dropins` | `<EI_HOME>/dropins` |
> | `<BPS_HOME>/repository/components/extensions` | `<EI_HOME>/extensions` |
> | `<BPS_HOME>/repository/components/lib` | `<EI_HOME>/lib` |
> | `<BPS_HOME>/repository/component/patches` | `<EI_HOME>/patches` |

See the following topics for instructions:

- Upgrading the databases
- Migrating the configurations
- Migrating artifacts
- Starting the server

Upgrading the databases

In WSO2 EI 6.3.0, you can use the same Carbon database and BPEL/BPMN databases that you used for WSO2 BPS 3.6.0. Therefore, you can simply restore the backup of the existing databases to use with WSO2 EI 6.3.0.

Migrating the configurations

Follow the steps below:

1. Copy the database connector JAR files stored in the `<BPS_HOME>/repository/components/lib` directory of WSO2 BPS 3.6.0 to WSO2 EI 6.3.0. For example, the JAR for the Oracle database (`ojdbc7.jar`) can be copied.
2. Copy the keystores and truststores used in WSO2 BPS 3.6.0, from the `<BPS_HOME>/repository/resources/security` directory to the `<EI_HOME>/wso2/business-process/repository/resources/security` directory in WSO2 EI 6.3.0.
3. Update the configuration files.
    a. Update the configuration files with information of the migrated keystores and truststores. See Configuring Keystores in WSO2 products for more information.
    b. Go to the `<EI_HOME>/wso2/business-process/conf/datasources` directory and update the Carbon datasource configuration in the `master-datasources.xml` file with the details of the Carbon database.
    c. Go to the `<EI_HOME>/wso2/business-process/conf` directory and update the datasource references in the `user-mgt.xml` and `registry.xml` files to match the updated configurations in the `master--datasources.xml` file.
    d. Go to the `<EI_HOME>/wso2/business-process/conf/datasources` directory and update the `activiti-datasources.xml` file with details of the datasource connection to the BPMN database.
    e. Go to the `<EI_HOME>/wso2/business-process/conf/datasources` directory and update the `bps-datasources.xml` file with details of the datasource connection to the BPEL database.
    f. Open the `<EI_HOME>/wso2/business-process/conf/humantask.xml` file and change `GenerateDdl` to `false`. You can see the deployed humantask packages with the version in the console. A migration success message is printed once the migration completes successfully.

        ```
        <GenerateDdl>false</GenerateDdl>
        ```

    g. Check for any further configurations that were done for WSO2 BPS 3.6.0 based on your solution and update the following configuration files in WSO2 EI 6.3.0 accordingly:
        - `humantask.xml`
        - `axis2.xml`
        - `bps.xml`
        - `Activiti.xml`
        - `Tenant-mgt.xml`
        - `b4p-coordination-config.xml`
        - `process-cleanup.properties`
4. If you have secondary user stores created for WSO2 BPS 3.6.0, you need to copy the 'userstore' folder in the `<BPS_HOME>/repository/deployment/server/` directory to the `<EI_HOME>/wso2/business-process/repository/deployment/server/` directory in WSO2 EI 6.3.0.
5. Check for any other configurations that were done for WSO2 BPS 3.6.0 based on your solution and update the configurations in WSO2 EI 6.3.0 accordingly. For example, configurations related to external user stores, caching, mounting, transports etc.

Migrating artifacts

Follow the steps given below:

1. Copy the BPEL .zip packages in the `<BPS_HOME>/repository/deployment/server/bpel` directory to `<EI_HOME>/wso2/business-process/repository/deployment/server/bpel` directory.
2. Copy the BPMN .bar packages in the `<BPS_HOME>/repository/deployment/server/bpmn` directory to `<EI_HOME>/wso2/business-process/repository/deployment/server/bpmn` directory.
3. Copy the humantask .zip packages in the `<BPS_HOME>/repository/deployment/server/humantasks` directory to `<EI_HOME>/wso2/business-process/repository/deployment/server/humantasks` directory.
4. If you have custom artifacts created in the `<BPS_HOME>/repository/deployment/server/` directory of WSO2 BPS 3.6.0, copy them to the `<EI_HOME>/wso2/business-process/repository/deployment/server/` in WSO2 EI 6.3.0.
5. If you have used multitenancy, copy the tenant directory packages from `<BPS_HOME>/repository/tenants` to the `<EI_HOME>/wso2/business-process/repository/tenants` directory.

Starting the server

Once you have completed the migration, you can start the Business Process profile of WSO2 EI. For details see Running the Product.

> ✅ The Management Console, BPMN Explorer and Human Task Explorer URLs for the Business Process profile in WSO2 EI 6.3.0 are as follows:
>
> - Management Console : `https://<ip>/<port>:9445/carbon/`
> - BPMN Explorer : `https://<ip>/<port>:9445/bpmn-explorer`
> - HumanTask Explorer : `https://<ip>/<port>:9445/humantask-explorer`