

Configuring FieldShield Data Masking for Commvault (Oracle) Database Clones

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After you clone an Oracle database, you can have the Commvault software run [IRI FieldShield](#) as a plug-in to mask sensitive data in the cloned database *before* the data is available for development and quality assurance.

The Commvault software is tested and integrated with IRI FieldShield data masking job scripts which can be created automatically in the IRI Workbench [GUI for FieldShield](#).

To get FieldShield working with the Commvault cloning process, create a script that runs the `ExecuteCommandOnRemoteClient` workflow by using an XML command.

This table describes `ExecuteCommandOnRemoteClient` workflow XML elements.

Element	Definition
client	The clone destination client.
command	The full path to IRI FieldShield.

Before You Begin

- Create or get a FieldShield data masking job script, and then save the script on the clone destination client.
- Deploy the `ExecuteCommandOnRemoteClient` workflow on the clone destination client. For more information, see [Downloading, Deploying, and Updating Workflows from Commvault Store](#).

Procedure

- On the clone destination client, create a script that performs the following operations:
 - Uses the `qlogin` command to log on to the CommServe computer.
 - Calls the **ExecuteCommandOnRemoteClient** workflow by using the `execute_workflow` xml script. For more information, see [Executing a Workflow](#).
 - Uses the `qlogout` command to log off of the CommServe computer.

Result

You have a script that you can run when you create an Oracle clone that masks the data.

What to Do Next

After you create and save the script, specify the path to the script in the **Post Recovery Command** box on the **Pre/Post** tab of the **Restore Options** dialog box.

Example

The following script runs the `ExecuteCommandOnRemoteClient` workflow. In this example, the parameters are listed on the command line.

```
Unset
/opt/commvaultxx/Base/qlogin -cs <csname.xxx.xx.com> -u xyz -clp
*****
/opt/commvaultxx/Base/qoperation execute -af
/<path>/execute_workflow.xml -associations/clientname
<workflow_engine> -workflowName ExecuteCommandOnRemoteClient
-workflowJobOptions "<inputs><client>
<clone_destination_client></client><command>/<path>/<masking_scri
pt.scl></command></inputs>"
/opt/commvaultxx/Base/qlogout
```