



CTX-Request-Handler Deployment Plan

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Versions

Document Revisions

The following revisions have been made to this document

Date	Revision	Notes
12/07/2019	1.0	First release

Module Versions

This version of the CTX-Request-Handler deployment plan is relevant up to version 1.0 of the CTX-Request-Handler module.

Preface

About this Manual

This document provides a guide on how to deploy the CTX-Request-Handler module in your Cortex system.

Audience

This document is intended for those who require the use of CTX-Request-Handler module.

Related Material

Document
CTX-Request-Handler – User Guide
CTX-Request-Handler.studiopkg
Cortex-RequestHandler Database Install Script

Abbreviations used in this Document

SQL	Structured Query Language
SSMS	SQL Server Management Studio

1 Requirements

This document details all the steps required to deploy the CTX-Request-Handler module.

Requirements:

- Administrator access to Cortex Gateway
- Minimum Cortex v6.4 installed on the Cortex Application Server
- Access to the SQL Server instance
- SQL user must have SysAdmin authorisation on the SQL Server instance
- Minimum SQL Server 2012 (version 11.0.7001.0) installed on the Cortex Database Server

2 Import CTX-Request-Handler

To deploy the CTX-Request-Handler module on your Cortex system, CTX-Request-Handler Studio Package needs to be imported on your Cortex system. To do this:

- Download the CTX-Request-Handler Studio Package
- Import the Studio Package in Cortex Gateway
- Ensure the relevant users have the required permissions in 'Studio Authorisation'

After this, all users in the authorised groups will be able to view and execute the subtasks.

3 Deploy Cortex-RequestHandler Database

3.1 Overview


For the flows and subtasks to work in the CTX-Request-Handler module, the Cortex Request Handler database and schema needs to exist on the server containing the Cortex databases. The following steps instruct you how to deploy the database and schema.

3.2 Create Database

- 1 Open Remote Desktop Connection to the Cortex database server
- 2 Copy the 'Cortex-RequestHandler-Install.sql' script to the Cortex database server
- 3 Open 'Cortex-RequestHandler-Install.sql' in SQL Server Management Server (SSMS) and connect to the DB engine where the query should be executed (this is where Cortex DBs are hosted).
- 4 Replace the SQL command variables as required:

```
:setvar DatabaseName "Cortex-RequestHandler"
:setvar DefaultFilePrefix "Cortex-RequestHandler"
```

Variable	Description
DatabaseName	The Request Handler database name. It is advised to leave the default value 'Cortex-RequestHandler'. Changing this values required updating the module flows/subtasks default values.
DefaultFilePrefix	The Request Handler database name. It is advised to leave the default value 'Cortex-RequestHandler'. Changing this values required updating the module flows/subtasks default values.

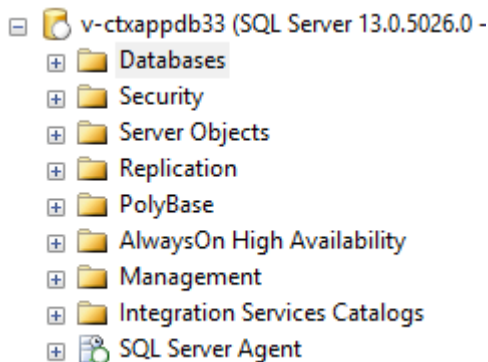
- 5 Click on **Query -> SQLCMD Mode** and execute the query
 The Data and Log folders will be created in the database default locations
- 6 On the messages panel, you should see no errors on the messages and the below text

```

Messages
Creating Cortex-RequestHandler...
Creating [dbo].[Queue]...
Creating [dbo].[RequestHandler]...
Creating [dbo].[RequestSequence]...
Creating [dbo].[FK_RequestHandler_Queue]...
Creating [dbo].[FK_RequestSequence_RequestHandler]...
Creating [dbo].[udf_Convert_SecToDhms]...
Creating [dbo].[udf_DateDiff_dhms]...
Creating [dbo].[usp_Get-Hanging-Requests]...
Creating [dbo].[usp_Get-Queue-From-Next-Request]...
Creating [dbo].[usp_Get-Queue-From-Request]...
Creating [dbo].[usp_Get-Queue-Requests]...
Creating [dbo].[usp_Get-Queues-Configuration]...
Creating [dbo].[usp_Get-Queue-Statistics]...
Creating [dbo].[usp_Get-Sequence-Requests]...
Creating [dbo].[usp_Store-Request]...
Creating [dbo].[usp_Store-Request-Sequence]...
Creating [dbo].[usp_Update-Request]...
Creating [dbo].[usp_Get-Next-Request-In-Queue]...
Update complete.

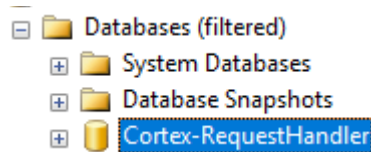
```

- 7 In the left-hand panel, click the plus to the left of 'Databases' to expand 'Databases'



- 8 Right click 'Databases' and click 'Refresh'.

- 9 Validate the 'Cortex-RequestHandler' database has been created.



- 10 Expand 'Cortex-RequestHandler'
- 11 Expand 'Tables'
- 12 Expand 'Programmability > Stored Procedures'
- 13 Expand 'Programmability > Functions > Scalar-valued Functions'
- 14 Validate the tables, stored procedures and functions shown below are present

