



CTX-Encryption-Module Deployment Plan



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Versions

Document Revisions

The following revisions have been made to this document

Date	Revision	Notes
06/09/2021	1.0	First release

Module Versions

This version of the CTX-Encryption-Module Deployment Plan is relevant up to version 1.0 of the CTX-Encryption-Module module.

Preface

About this Manual

This document provides a guide on how to deploy the CTX-Encryption-Module in your Cortex system.

Audience

This document is intended for those who require the use of CTX-Encryption-Module.

Related Material

Document
CTX-Encryption-Module – User Guide
CTX-Encryption-Module.studiopkg

Abbreviations used in this Document

AES256 Advanced Encryption Standard (256 bits key length)


PGP Pretty Good Privacy

1 Requirements

This document details all the steps required to deploy the CTX-Encryption-Module module.

Requirements:

- Minimum Cortex v6.4 installed on the Cortex Application Server
- PowerShell V5 installed on the Cortex Server
- 7zip installed at the default directory if using AES256 [Download \(7-zip.org\)](#)
- GnuPG v2.3.2 (or newer) installed if using PGP encryption [GnuPG - Download](#)

 The flow can run with either 7zip or GnuPG installed for AES256 or PGP respectively. The LivePortal flow does not require both to function properly.

2 Import CTX-Encryption-Module

To deploy the CTX-Encryption-Module on your Cortex system, CTX-Encryption-Module Studio Package needs to be imported on your Cortex system. This consists of both a LivePortal flow and subtasks for encryption/decryption using either AES256 or PGP. To do this:

- Download the *CTX-Encryption-Module.studiopkg* file
- 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 Publish Flows

The Encryption Module consists of a LivePortal flow and 2 subtasks, EM-AES and EM-PGP. These subtasks handle both encryption and decryption for AES256 and PGP respectively.

After importing the *.studiopkg* file, the flows within it can be published, thus making them available in LivePortal. This can be done with the following steps:

Once the *.studiopkg* file is imported, the flows can be published, which will make it available in LivePortal. To do this, perform the following steps:

- From Cortex Gateway, select 'Settings' – 'Studio Publish'
- Tick the CTX-Encryption-Module group under 'Tools'
- Click Publish