Acceleration Framework Extensions (AFE) Deployment Guide

Baseline

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# Requirements

The Acceleration Framework Extensions are configured for Appian Software Version 16.2+ and MySQL Database

## Required Environment Configurations (maintenance window and downtime required)

* None

## Required Plugins

* None

## Required Application Packages

* AF Common Objects 2.0 – All Objects.zip
* Acceleration Framework Extensions Baseline.zip
* <<Extension specific application package(s)>>

## Required Database Scripts

* MySQL
  + AF Common Objects Release 2.0 Create DB.sql
  + <<Extension specific database script(s)>>

## Required Users

* None

## Required Images

* None

# Configuration

1. If target environment already has **AF Common Objects 2.0 – All Objects.zip** deployed, skip to step 3
2. Deploy **AF Common Objects 2.0 – All Objects.zip**
   1. Create table structure utilizing the database appropriate scripts (in the following order):
      1. For MySQL database:
         1. **AF Common Objects Release 2.0 Create DB.sql**
      2. For non-MySQL databases:
         1. Convert the following scripts to SQL Server syntax, Oracle syntax, etc. and run in the following order:
            1. **AF Common Objects Release 2.0 Create DB.sql**
   2. Import **AF Common Objects 2.0 – All Objects.zip**
3. If target environment already has at least one Acceleration Framework Extension deployed, skip to step 5
4. Deploy Acceleration Framework Extensions Baseline
   1. Import **Acceleration Framework Extensions Baseline.zip**
5. Deploy specific Acceleration Framework Extension
   1. If deploying Ad-Hoc Workflow, see [Ad-Hoc Workflow Deployment Guide](https://docs.google.com/a/appian.com/document/d/1m7z4C5DNRkP0DAUlDthid1I6X1bRdylEtpn0r_slWi0/edit?usp=sharing)
   2. If deploying Talk About this Record, see [Talk About this Record Deployment Guide](https://docs.google.com/a/appian.com/document/d/1nYtzYe0WjyMtKOeSfIjYo7Jq2U-f9yZTJSxEa3YMdfs/edit?usp=sharing)

# Revert Changes (Back Out Plan)

The following steps will be taken if the deployment into the target environment needs to be reverted:

* Notify stakeholder of the deployment rollback
* For Cloud environments: Snapshots are automatically taken on a daily basis. The deployment team will need to coordinate with Appian Support to revert to the last snapshot.
  1. Create an Appian Support Case with instructions to revert back to a prior snapshot. Include the following information:
     + Target environment to revert
     + Snapshot date to revert to
* For On-Premise environments: Immediately prior to beginning deployment, create a backup of the existing Appian installation. Revert to this backup if the deployment needs to be rolled back.
  1. Properly shutdown Appian
     + Ensure the engines are checkpointed upon shutdown
     + Ensure any scheduled processes are disabled during the deployment window
  2. Backup the Appian installation on all web servers, app servers, and engine servers
     + Create a copy of the entire <<APPIAN\_INSTALL>> directory of your Appian instance and rename it to clearly denot it as a backup copy (e.g. “<<APPIAN\_INSTALL>>\_<<CURRENT\_DATETIME>>\_bkup”)
     + Backup the Apache directory on the web server(s)
     + Backup any fileshare documents (for multiple JBoss instances sharing a fileshare). If not using fileshare, backup the \_admin and other data directories
  3. Backup the primary and business databases
  4. Properly start Appian and begin deployment procedure outlined above
  5. If necessary to roll back the deployment and revert any changes, properly shutdown Appian
  6. Rename the entire <<APPIAN\_INSTALL>> directory of your Appian instance on all web servers, app servers, and engine servers to clearly denote it as a failed attempted deployment copy (e.g. “<<APPIAN\_INSTALL>>\_<<CURRENT\_DATETIME>>\_failed”)
  7. Rename the backup copy to the original <<APPIAN\_INSTALL>> directory name on all web servers, app servers, and engine servers
  8. If using a fileshare for multiple JBoss servers, replace the contents with the backup taken in the previous step
  9. Restore the Appian primary database with the previous backup taken
  10. Restore the Appian business database with the previous backup taken