1. **Description of Change?**

SailPoint IdentityIQ will be upgraded to 8.1 version.

1. **Change Plan (outline in detail how you plan on implementing your change)?**

## Pre- deployment activities

* DB backup – 1) Identityiq; 2) identityiqPlugin
* VM Snapshot
* Folder structure backup
* XML files backup
* Screenshots of important configurations

## Major steps –

* IIQ upgrade
* Accelerator pack upgrade
* e-fixes deployment
* IQService upgrade

## IIQ Upgrade

* 1. Download identityiq-8.1.zip from Compass.
  2. Stop the IdentityIQ application.
  3. Take a backup of the DB and jar the IdentityIQ installation directory.
  4. Copy WEB-INF/classes/iiq.properties to /tmp.
  5. Delete all from /tomcat/webapps/identityiq directory. Unzip identityiq-8.1.zip and copy identityiq.war to /tomcat/webapps/identityiq. jar –xvf identityiq.war
  6. Copy /tmp/iiq.properties to WEB-INF/classes.
  7. Run upgrade DDL: log into mysql; source upgrade\_identityiq\_tables.sqlserver
  8. In WEB-INF/bin directory, chmod +x iiq. Run ./iiq upgrade
  9. Accelerator pack upgrade (steps given below)
  10. Build identityiq.war file from the SSB environment, pointing servers.properties to [Environment]. (This assumes [environment].iiq.properties exists with correct properties and that [environment].target.properties contains the appropriate token properties for token substitutions)
  11. Delete all from /tomcat/webapps/identityiq directory. Copy identityiq.war into /tomcat/webapps/identityiq and jar-xvf identityiq.war.
  12. Copy /tmp/iiq.properties to WEB-INF/classes.
  13. Launch the console (from WEB-INF/bin: ./iiq console). Import sp.init-custom.xml. (This reloads all upgraded managed XML objects.)
  14. Restart the application.
  15. Perform all prescribed test cases (according to documented test plan).

## Accelerator Pack upgrade

1. Back up your IdentityIQ database, and the contents of the [IdentityIQ\_Install\_Dir]/WEB-INF/config/ folder.
2. Download the Accelerator Pack 8.1 zip file from Compass.
3. Extract the Accelerator Pack zip file to a temporary location. Do NOT extract the Accelerator Pack zip directly into your IdentityIQ installation directory.
4. Update the Hibernate configuration files in your IdentityIQ installation directory.
   1. To merge the Accelerator Pack Hibernate files with your existing IdentityIQ Hibernate files:
      1. In the unzipped Accelerator Pack location’s /web/WEBINF/classes/sailpoint/object/ folder, open each of the \*.hbm.xml files that has a corresponding file in the[IdentityIQ\_Install\_Dir]/WEBINF/classes/sailpoint/object/folder.
      2. In each of the Accelerator Pack’s \*.hbm.xml files, find the <!--OOTB END--> marker in the file.
      3. Select and copy the contents of the file below the <!--OOTB END--> marker, and paste it at the end of the IdentityIQ \*.hbm.xml file of the same name.
      4. Save your changes to the IdentityIQ \*.hbm.xml files.
5. Copy these Accelerator Pack artifacts from the unzipped Accelerator Pack location to the corresponding location in your IdentityIQ installation directory.
   1. Copy [AP\_Unzip\_Dir]/web/WEB-INF/lib/AcceleratorPack.jar to [IdentityIQ\_Install\_Dir]/WEB-INF/lib
   2. Copy all files and subfolders under [AP\_Unzip\_Dir]/web/WEBINF/config/to [IdentityIQ\_Install\_Dir]/WEB-INF/config/
   3. Copy all files under [AP\_Unzip\_Dir]/web/images/icons/ to [IdentityIQ\_Install\_Dir]/images/icons/
   4. Copy [AP\_Unzip\_Dir]/web/define/applications/IdentityIQLoopback.xhtml to [IdentityIQ\_Install\_Dir]/define/applications/
6. Merge the iiqCustom.properties file from the Accelerator Pack with the corresponding file in your IdentityIQ installation directory:
   1. Open the Accelerator Pack custom properties file: [AP\_Unzip\_Dir]/web/WEBINF/classes/sailpoint/web/messages/iiqCustom.properties
   2. Select and copy the full contents of the file (although you may not need the first 13 entries if they are already in your existing iiqCustom.properties file)
   3. Open the IdentityIQ custom properties file: [IdentityIQ\_Install\_Dir]/WEBINF/classes/sailpoint/web/messages/iiqCustom.properties
   4. Paste the copied contents from the Accelerator Pack iiqCustom.properties file to the end of IdentityIQ iiqCustom.properties file. Note that if you have made any customizations to this file, you should paste the contents from the Accelerator Pack below all your customizations.
   5. Save your changes.
7. Import the Accelerator Pack updates (from iiq console):
   1. import upgrade-acceleratorpack.xml
8. Restart your IdentityIQ application.
9. Verify that your Accelerator Pack installation was successful by opening IdentityIQ and clicking on Administrative Tasks > Installed Accelerator Pack in the Quicklinks menu, and verifying that your installed features are displayed. You can also validate the version by navigating to the Debug pages in Configuration Objects -> System Configuration and verifying that this line is there:
   1. <entry key="acceleratorPackVersion" value="8.1"/>

## IQService Upgrade

* Backup your existing IQService installation.
* Ensure that the service is stopped, either from the Services Applet or from the command line by running: IQService.exe -k
* Uninstall IQService using command: IQService -u
* Extract latest IQService in installation directory
* Install IQService using command: IQService -i
* Start the service: IQService.exe -s

## e-fixes for 8.1 version

1. 9714
2. 3585
3. 3516
4. 2905
5. 8680
6. **Backout Plan (outline in detail how you plan on backing out (reversing) the change you implemented if it interrupts services)?**
   1. Replace old folder structure
   2. Replace old database
   3. Reinstall IQservice 8.0
7. **Test Plan (outline in detail how you plan on testing this change)?**

Had a test run for few users in the new server – SMWECSMSPQA01, attached is the test case document



1. **Risk (high/moderate/low)? If this change has a high probability of impact a lot of users, the risk should be high.**

high