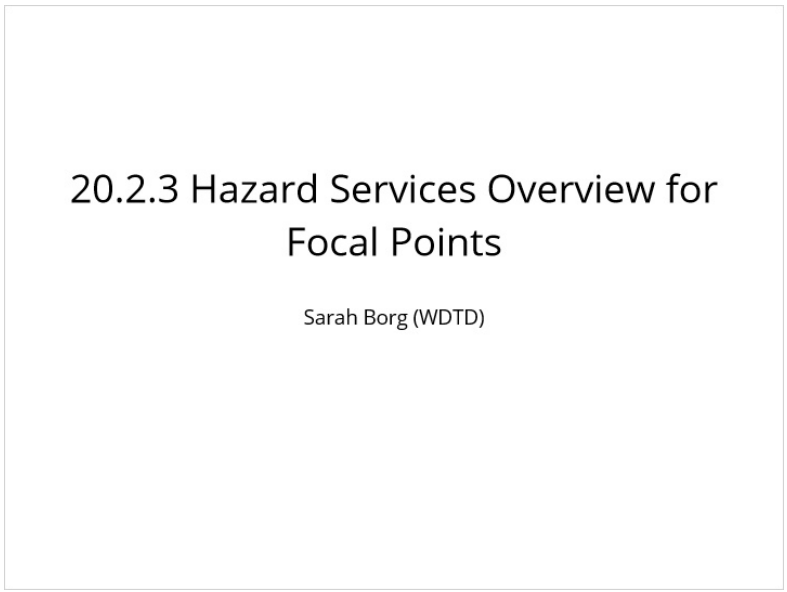
20.2.3 Hazard Services Overview for Focal Points

1. 20.2.3 HS Overview for FPs

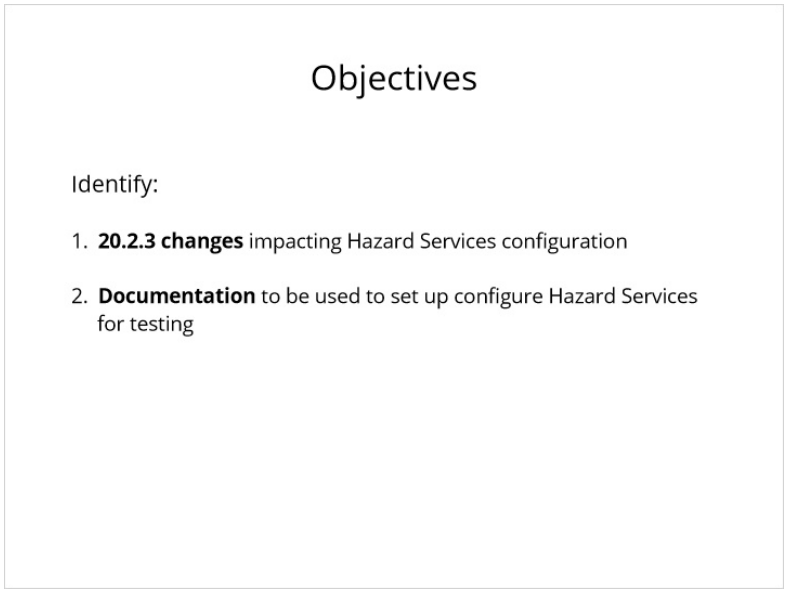
1.1 Title Slide



Notes:

Welcome to the 20.2.3 Hazard Services Overview for Focal Points. I'm Sarah Borg from the Warning Decision Training Division. In this module I will introduce the highlights of the 20.2.3 Hazard Services configuration process.

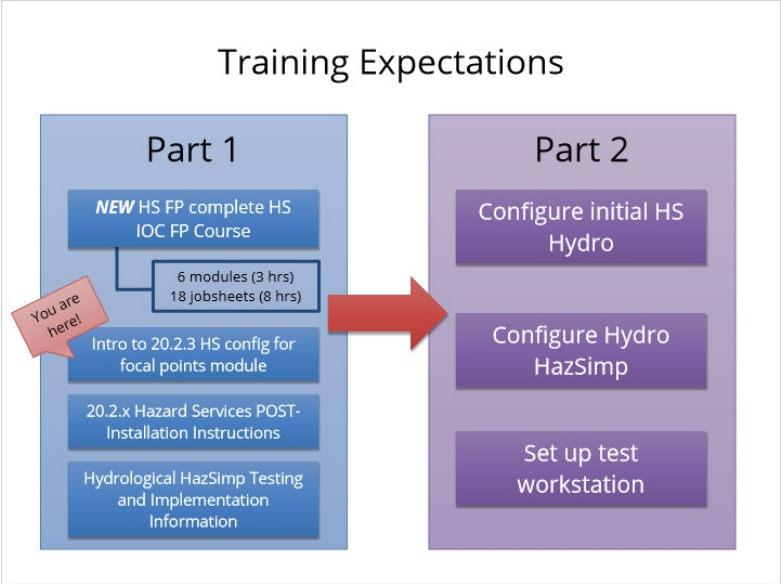
1.2 Objectives



Notes:

The objectives of this training are to identify the 20.2.3 changes impacting Hazard Services and identify the required documentation.

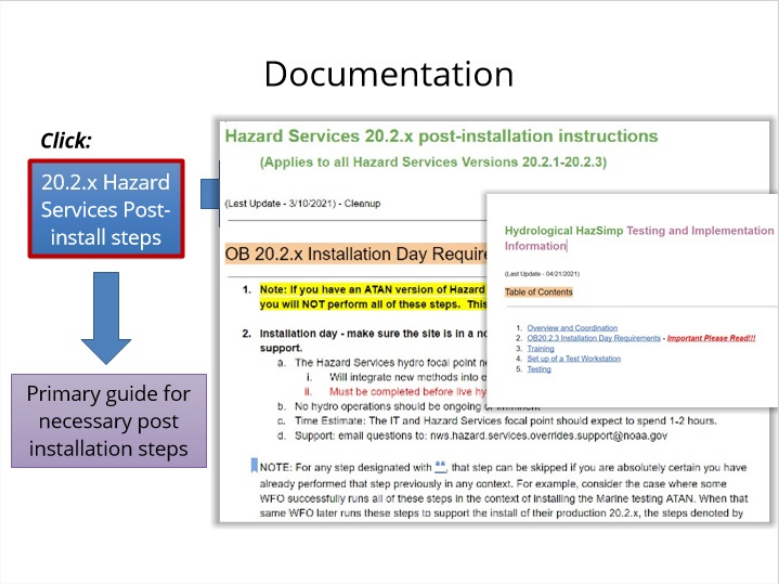
1.3 Training Expectations



Notes:

Let's lay out the guidance for the 20.2.3 release training expectations. First, for NEW focal points, you will need to be sure to take the Hazard Services IOC Focal Point course, which consists of about 3 hours of modules and 8 hours of jobsheets for configuration of hydro IOC. Focal points who have already completed the IOC Focal Point course do NOT need to retake it. Once that is complete, then focal points can move on to this intro to the 20.2.3 Hazard Services configuration training. Focal points will then follow the step-by-step guidance in the 20.2.x Hazard Services Post-installation instructions document. Then, the Hydro HazSimp Testing and Implementation doc will be used to prepare for HazSimp. Finally, the focal point will be prepared to configure Hazard Services hydro, configure Hydro HazSimp, and prepare a test workstation to evaluate Hydro HazSimp in practice mode.

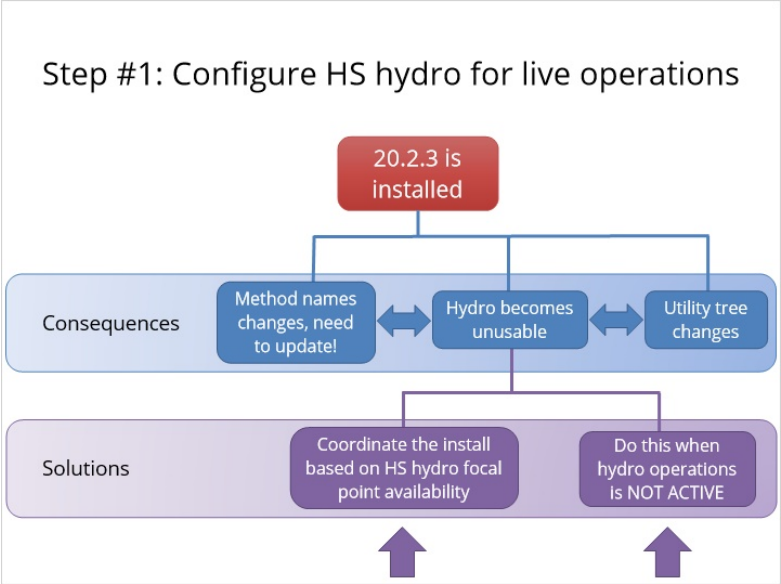
1.4 Documentation



Notes:

A few important documents will be necessary to complete your configuration changes. The first and most important document for focal points is the 20.2.x Hazard Services Post-install steps. This guide is the primary guide for everything related to installation and post-installation steps for 20.2.3, and it will walk you through each step needed to complete the installation and configuration. Next is the **Hydro HazSimp Testing and Implementation** doc which will provide more information about Hydro HazSimp such as setting up for testing. Finally, the Hazard Services focal point guide has foundational documentation for IOC and hydro. Click on the buttons here for the Hazard Services Post Install steps document, the Hydro HazSimp Testing and Implementation doc or the focal point guide to access them.

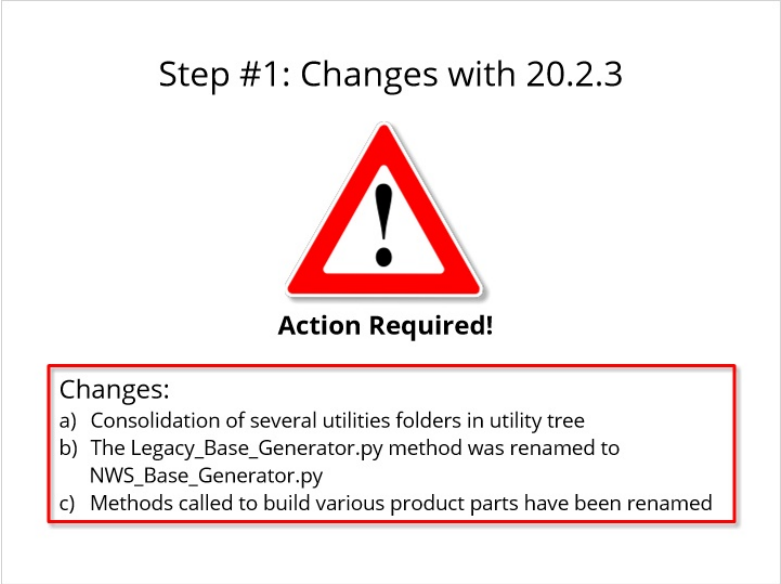
1.5 Step #1: Configure HS hydro for live operations



Notes:

The Hazard Services 20.2.3 version comes with a variety of changes that cause some of your hydro configurations to become unusable, including method name changes and changes to the utility tree. This means hydro operations will NOT be functional out of the box as a consequence of the 20.2.3 installation. Because of this, it's important to coordinate the install during a time when 1. the Hazard Services hydro focal point is available to make the necessary changes IMMEDIATELY, and 2. there are no active or imminent hydro hazards.

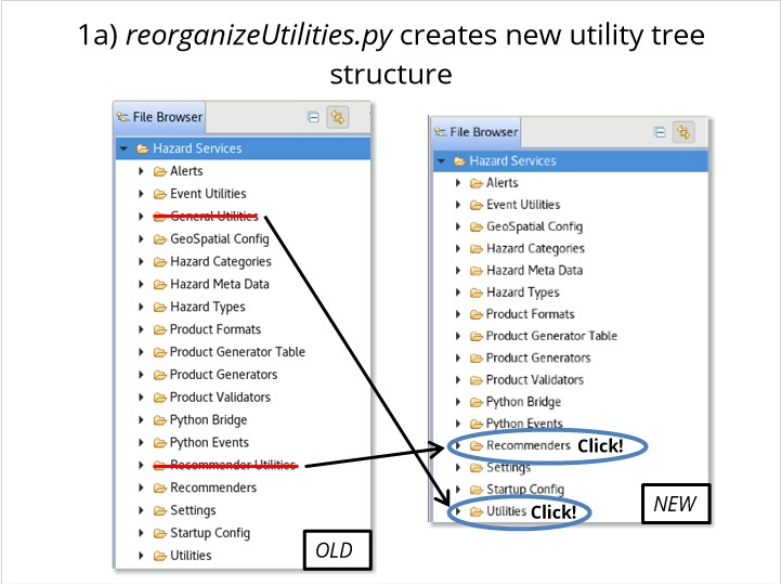
1.6 Step #1: Changes with 20.2.3



Notes:

There are three major changes that require focal point action immediately upon install to restore the operating ability of Hazard Services Hydro. The first is the changing of the Hazard Services utility tree structure, in which several of the previous “utilities” folders are now consolidated in other existing folders. The second is the renaming of the Legacy_Base_Generator.py method to NWS_Base_Generator.py. And lastly, several other methods used to build various product parts are renamed in 20.2.3, and those need to be updated for overrides to work. Let’s take a look at each of these items.

1.7 1a) reorganizeUtilities.py creates new utility tree structure

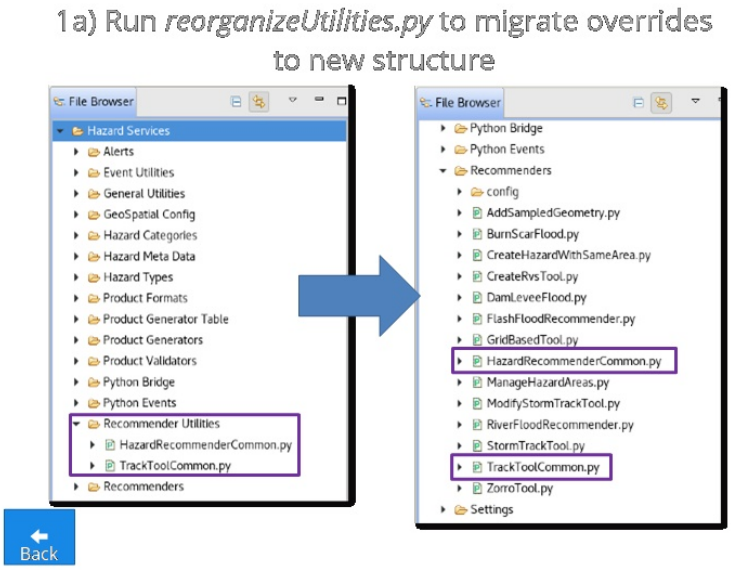


Notes:

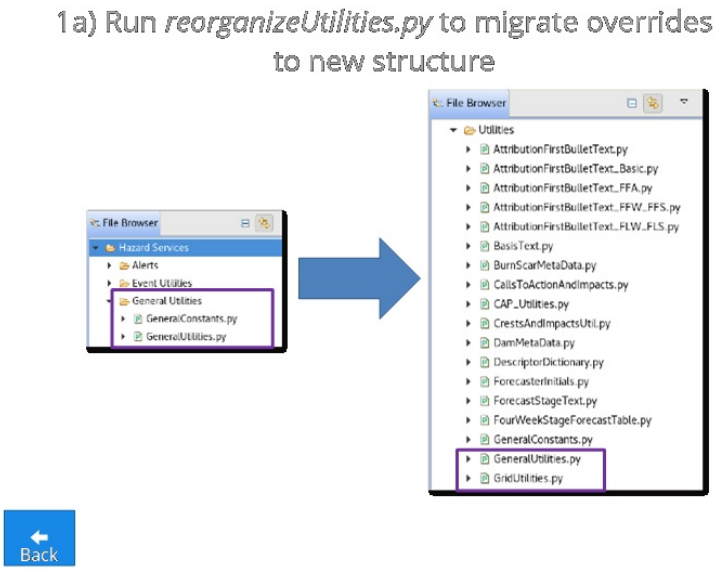
In order to accomplish the utility tree reorganization, a handy delta script called reorganizeUtilities.py is run as part of the 20.2.3 install. The focal point **DOES NOT** need to run this script manually. After the 20.2.3 install, all overrides existing in previous folders will be migrated to the new structure shown here. The General Utilities folder no longer exists, and this has been merged with the previous Utilities folder. Similarly, the Recommender Utilities folder is removed also, as its contents have been moved to the folder called “Recommenders.” Click on each of these folders in the new Utility Tree to see the new structure.

You can see that the new Utilities folder now holds the two files that previously existed in the General Utilities folder. Here you can see that the two files under the old Recommender Utilities folder now exist in the Recommenders folder.

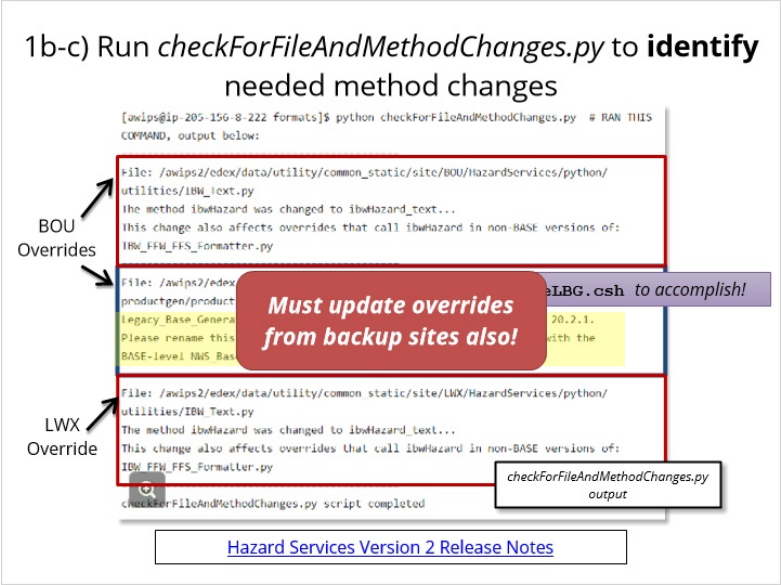
Recommender Utils (Slide Layer)



General Utilities (Slide Layer)



1.8 1b-c) Run checkForFileAndMethodChanges.py to identify needed method changes

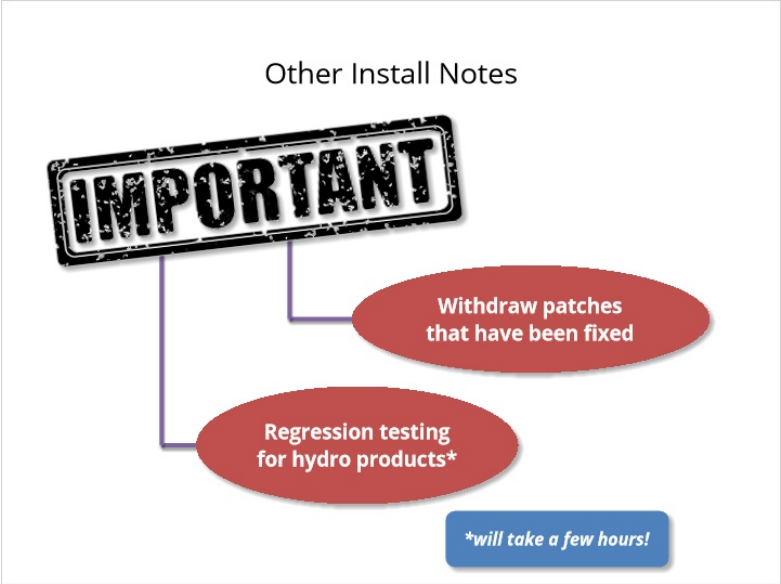


Notes:

Running the checkForFileAndMethodChanges.py script will identify any of your overrides that are impacted by the new methods and need to be replaced, **however it will NOT make these changes for you**. The changes it identifies relate to two major items: the renaming of Legacy_Base_Generator.py to NWS_Base_Generator.py and the renaming of various methods called to build product parts. The output for checkForFileAndMethodChanges.py is shown here. You can see that it identifies a site override of Legacy_Base_Generator.py exists and alerts the focal point for the need to change it. You can also see that this same script alerted the focal point to various methods that appear in site-level overrides that need updating. With this information, it is up to the focal point to make the required changes. That is, update all existing overrides from your site and your backup site to reflect the new method names. You will need to maintain your own version of your backup site's files until they update to 20.2.3 and Backup Services eventually pushes the files to you. If the checkForFileAndMethodChanges.py script notifies you of existing Legacy_Base_Generator.py overrides, you should run a script called **moveLBG.csh** to migrate these overrides to NWS_Base_Generator.py. This script will be available as part of the 20.2.3 install. The 20.2.x Hazard Services POST-Installation Instructions doc will guide you through this process.

For a detailed list of method names that are changed and files in which they exist, you can reference the Hazard Services Version 2 release notes.

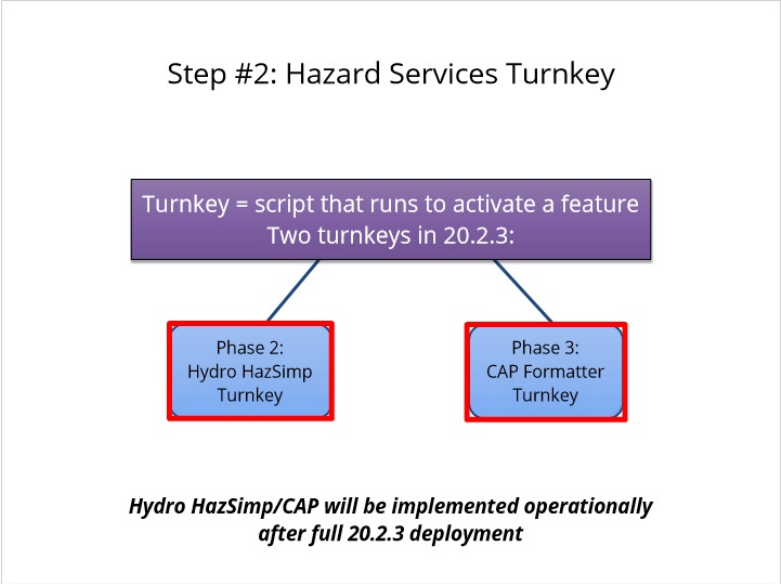
1.9 Other Install Notes



Notes:

In addition to the new 20.2.3 Hazard Services configuration steps, one of the more involved activities in the install is removing any patches that have been fixed in the 20.2.3 baseline. Once you are done with all the Hazard Services configuration, you will need to regression test all your hydro products before resuming live operations. This will take a few hours, so plan accordingly.

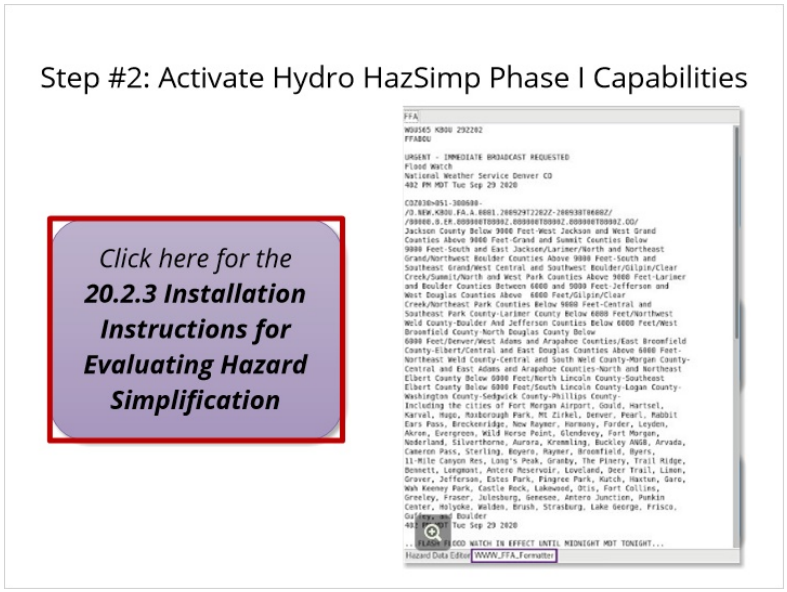
1.10 Step #2: Hazard Services Turnkey



Notes:

After you have completed the initial installation and hydro configuration, you will be ready to start configuring Hydro HazSimp using the Hazard Services turnkey script. The “Phase 2” Hydro HazSimp turnkey will enable you to start configuring the new What Where When formatters with your site overrides and allow you to test HazSimp prior to the transition to operations after full 20.2.3 deployment. The CAP formatter will also be activated via a turnkey after all sites have switched to Hydro HazSimp.

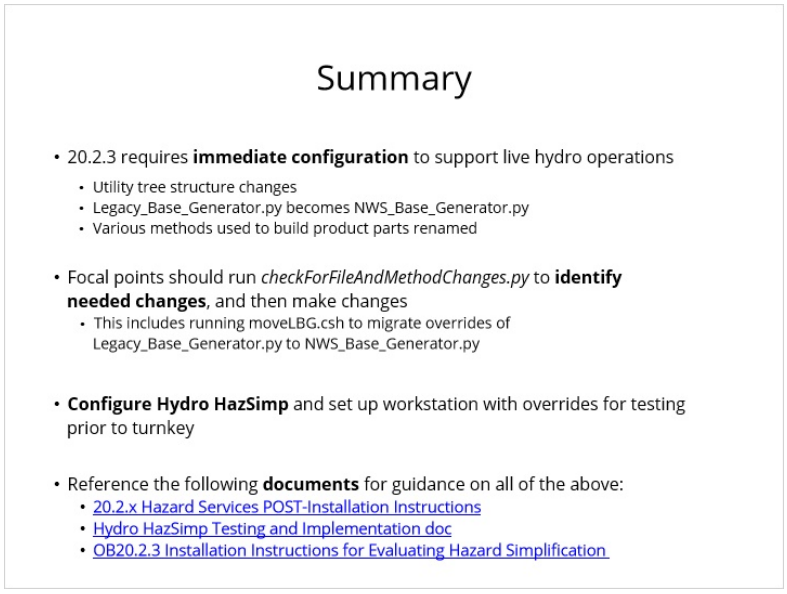
1.11 Step #2: Activate Hydro HazSimp Phase I Capabilities



Notes:

One of the main documents for setting up Hydro HazSimp is the “20.2.3 Installation Instructions for Evaluating Hazard Simplification”. This document will walk you through migrating your configuration to the new What Where When formatter and setting up a workstation for certain users to test in practice mode. In the setup, a region-level override of the initialize() method in NWS_Base_Formatter.py is used to block issuance of any What Where When formatted products. A workstation override of the **isTurnKeyUser()** method will then allow the turnkey to be activated only on the specified workstation, and a user override of a specified time duration will control the temporary visibility of the HazSimp formatter for that user.

1.12 Summary



Notes:

Let's summarize the key points about 20.2.3 Hazard Services:

It comes with many significant changes, some of those make hydro unusable after the install, meaning focal points must take action immediately to resume hydro operations. These changes include the restructuring of the utility tree, renaming of Legacy_Base_Generator.py, and the renaming of various product part methods. Focal points will need to run the script called checkForFileAndMethodChanges.py to see where changes need to be made in existing overrides for method name changes, and then make those changes. This includes running a script called moveLBG.csh to migrate overrides of Legacy_Base_Generator.py to the new NWS_Base_Generator.py. Once hydro is operational and regression testing is complete, the focal point will need to configure Hazard Services with Hydro HazSimp on a specific workstation. The use of user and workstation overrides will help keep HazSimp products isolated during testing. Hydro HazSimp will become operational via a turnkey after deployment. For guidance throughout this process, reference the three main documents included in this training which are the 20.2.x Hazard Services Post-Installation Instructions, the Hydro HazSimp Testing and Implementation doc, and the 20.2.3 Installation Instructions for Evaluating Hazard Simplification. Click next when you're ready to take the quiz.