


Standard rescan - add a new Version - deliver code - generate snapshot

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 To perform this step, your AIP Console login must have the **Application Owner** [role](#).

Introduction

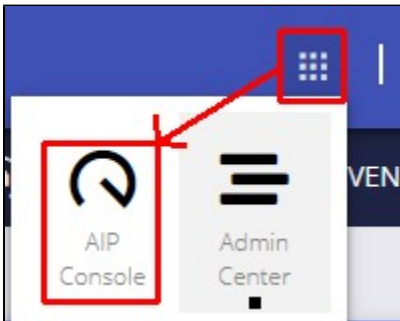
This step performs many actions in one go, without the need for manual interaction. It allows you to get real results very quickly. Actions performed:

- **Validate the Version** - i.e. validate the delivered source code
- **Accept the Version** - accept it and allow it to be analyzed
- **Import the Version** - set it as the current version to be used in the analysis
- **Run an analysis** - source code analysis results are stored in the Analysis schema
- **Take a snapshot** - metrics and structural rule data is generated and consolidated in the Dashboard schema - results can be viewed in an **Engineering Dashboard**
- **Upload the snapshot to the Measurement schema** - results can be viewed in a **Health Dashboard**

This is ideal for a **Standard rescan** scenario where you just want a set of baseline results for your **new source code version**, using the **same settings** as those used for the previous version. Results can be generated very quickly.

Add a new Version

To access AIP Console, use the following URL (ensure you specify the correct **server** and **port number**): `http://<server>:8081/ui/index.html`. Then move to the **AIP Console** screen if you are not already there:



Find your existing Application - in this example it is called "**MEUDON**" - and click **Add version**:

Application (2) ↑	Version	App Domain	Version Status	Last Action Status	Next Action
MEUDON	Version-2020-09-15T09-59-24		Snapshot done	●	+ Add version

Deliver source code

Click to enlarge

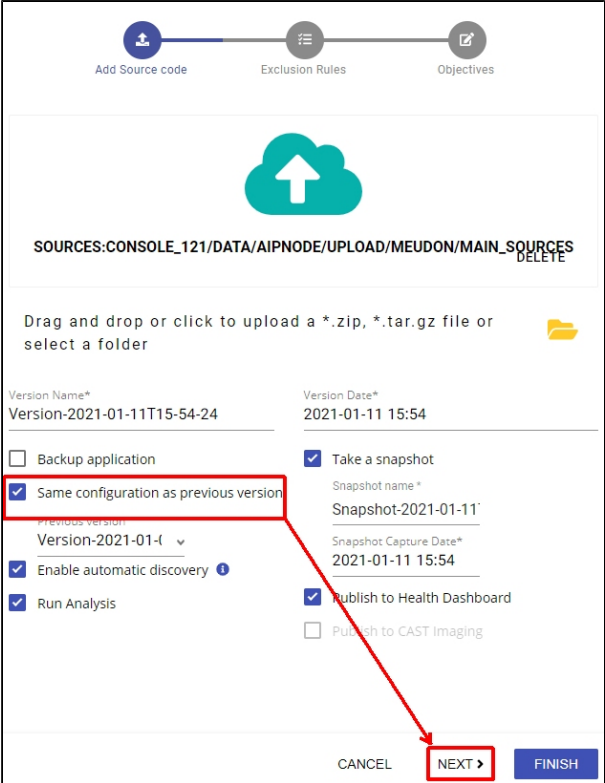
To deliver source code:


- Drag and drop **one .zip or .tar.gz file** containing your source code - or click the **upload cloud icon** to add a file using a traditional "open file" method.
- If you have configured a **source code folder** (see [Administration Center - Settings - Source Folder Location](#)) you can click the **yellow folder** to add code directly from this folder - only one folder in the designated path can be selected:



i If you want to deliver source code containing:

- **.NET source code:** you should ensure that you define the location of the **.NET Assemblies** which is required for a successful analysis. See [Configuring source code delivery for .NET](#).
- **Maven** based source code: you should ensure that you define the location of the **Maven repositories** so that any associated JAR files can be automatically discovered and that POM dependencies can also be located - which is required for a successful analysis. See [Configuring source code delivery for Maven](#).

In a **rescan scenario**, CAST highly recommends setting the following options as follows:

Option	Option position	Description
Backup Application	ENABLED or DISABLED	Unticked by default. Selecting the option will cause the Application to be backed up as part of the actions you choose. This may cause some additional processing time while the backup completes. Backups are stored in the following location on the relevant AIP Node and can be managed in Administration Center - Applications - Application Details : <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <pre>%PROGRAMDATA%\CAST\AipConsole\AipNode\backup\<<application_name>\YYYYMMDDHHMM.zip</pre> </div>
Same configuration as previous version	ENABLED	This will ensure that your configuration (Modules, Exclusion Rules and Objectives) are identical to the settings used in the previous version, therefore retaining result continuity , although you are free to make changes to Exclusion Rules and Optimizations if you require by clicking the Next button as highlighted below - note that changing other settings in the wizard may impact the stability of your results. In addition, the option Enable Automatic discovery (see below) will be available (and will be enabled). <p><i>Click to enlarge</i></p>  <p>When disabled, AIP Console will create a version ignoring any previous Version settings and options - i.e. as if it was a brand new Version.</p>
Enable Automatic discovery	ENABLED	<div style="border: 1px solid #ccc; padding: 10px; margin-bottom: 10px;"> <p>i Only available when adding a new version when a version already exists and when the option Same configuration as previous version (see above) is enabled.</p> </div> <ul style="list-style-type: none"> When enabled (default position), AIP Console will perform the "code discovery" step and as a consequence, for any new source code added in the new version, new extensions may be downloaded i.e. discovered and force_install extensions (unless a specific Extension Strategy is in place), new packages may be detected and new Analysis Units may be created. Note that new releases of extensions that were used in the previous version will NOT be automatically downloaded, installed and used. When disabled, AIP Console will not perform the "code discovery" step and as a consequence this ensures that the configuration of the new version is identical to the configuration used in the previous version even if new source code has been added in the new version. No new extensions will be downloaded and installed and no existing extensions will be updated.

<p>Run Analysis</p>	<p>ENABLED or DISABLED</p>	<p>Choose whether you want to run an analysis immediately after the source code is delivered. Technically the Run analysis option also includes an internal step called "Prepare analysis data" step, which allows:</p> <ul style="list-style-type: none"> • Source code to be viewed when validating Dynamic Links • Architecture Models results to be checked before generating a snapshot <p>Standard rescan</p> <p>For a Standard rescan scenario, you should enable this option. Enabling this option includes the following steps that would otherwise need to be manually actioned:</p> <ul style="list-style-type: none"> • Validate the Version - i.e. the delivered source code • Accept the Version • Import the Version -"set as current version" <p>Enabling the option will also automatically expose the following options:</p> <div data-bbox="430 531 1024 978" style="border: 1px solid black; padding: 10px;"> <p><input checked="" type="checkbox"/> Take a snapshot</p> <p>Snapshot name *</p> <p>Snapshot-2021-01-11T13-54-52</p> <hr/> <p>Snapshot Capture Date*</p> <p>2021-01-11 13:54</p> <hr/> <p><input checked="" type="checkbox"/> Publish to Health Dashboard</p> <p><input type="checkbox"/> Publish to CAST Imaging</p> </div> <p>Advanced rescan</p> <p>For an Advanced rescan scenario, you should disable this option. This will allow you to work through the process of validating/accepting the version, running an analysis and generating a snapshot as separate steps.</p>
<p>Take a snapshot</p>	<p>ENABLED or DISABLED</p>	<div data-bbox="430 1121 1484 1203" style="border: 1px solid gray; padding: 5px;"> <p> If you do not see this option, you must enable the Run analysis option.</p> </div> <p>Choose whether you want to generate a snapshot immediately after the source code is delivered:</p> <p>Standard rescan</p> <p>For a Standard rescan scenario, you should enable this option. It includes the following steps that would otherwise need to be manually actioned:</p> <ul style="list-style-type: none"> • Validate the Version - i.e. the delivered source code • Accept the Version • Import the Version -"set as current version" • Run an analysis - source code analysis results are stored in the Analysis schema • Generate a snapshot - metrics and structural rule data is consolidated in the Dashboard schema - results can be viewed in an Engineering Dashboard • Optionally Publish to Health Dashboard - results can be viewed in a Health Dashboard instance • Optionally Publish to CAST Imaging - results can be viewed in a CAST Imaging instance <p>Advanced rescan</p> <p>For an Advanced rescan scenario, you should disable this option. This will allow you to work through the process of validating/accepting the version, running an analysis and generating a snapshot as separate steps.</p>

Publish to Health Dashboard	ENABLED or DISABLED	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">  If you do not see this option, you must enable the Run analysis option. </div> <p>Choose whether you want to publish the snapshot in the Health Dashboard immediately after the source code is delivered. This option is enabled by default:</p> <p>Standard rescan</p> <p>For a Standard rescan scenario, you should enable this option.</p> <p>Advanced rescan</p> <p>For an Advanced rescan scenario, you should disable this option. This will allow you to work through the process of validating/accepting the version, running an analysis and generating a snapshot as separate steps.</p>
Publish to CAST Imaging	ENABLED or DISABLED	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">  <ul style="list-style-type: none"> If you do not see this option, you must enable the Run analysis option. If this option is visible, but is unavailable for selection, this means that a corresponding CAST Imaging instance has not been configured. See Administration Center - Settings - Imaging Settings for more information. </div> <p>Choose whether you want to publish the snapshot in your CAST Imaging instance immediately after the source code is delivered. This option is enabled by default:</p> <p>Standard rescan</p> <p>For a Standard rescan scenario, you should enable this option.</p> <p>Advanced rescan</p> <p>For an Advanced rescan scenario, you should disable this option. This will allow you to work through the process of validating/accepting the version, running an analysis and generating a snapshot as separate steps.</p>

Start analysis/snapshot

When you have made your option choices, click:

- FINISH**, any subsequent steps will be **skipped** and:
 - if the **Take a snapshot** option is **disabled**, the **version will be added** and will appear in the [Application - Versions](#) screen.
 - if the **Take a snapshot** option is **enabled**, the **analysis/snapshot will be actioned immediately**.