

# Add code step 1

## Add code

Click to enlarge

Add Source code   Exclusion Rules   Objectives

COMBINED\_NEW.ZIP   DELETE

Drag and drop or click to upload a \*.zip, \*.tar.gz file or select a folder

Version Name\*  
Version-2021-07-14T13-57-10

Version Date\*  
2021-07-14 13:57

Backup application

Same configuration as previous version

Enable automatic discovery

Run Analysis

Add modules  
Per technology

Take a snapshot

Snapshot name\*  
Snapshot-2021-07-14T13:57

Snapshot Capture Date\*  
2021-07-14 13:57

Publish to Health Dashboard

Publish to CAST Imaging

CANCEL   NEXT >   PROCEED

To add 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:

/   SAVE   X

code



 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](#).

When you have made your option choices, click either:

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

### Options available

Option	Description
Version Name	Enter a <b>name</b> for the Version. Default name will be set to: <b>Version-YYYY-MM-DDTHH-MM-SS</b> .
Version Date	Enter a <b>date</b> for the Version. Default date will be set to <b>YYYY-MM-DD HH:MM</b> .
Backup application	Unticked by default. Selecting the option will cause the Application to be <b>backed up</b> as part of the actions you choose. When adding a necessary since there is nothing to back up. When the option is enabled, some additional processing time is required while the backup relevant <b>AIP Node</b> and can be managed in <a href="#">Administration Center - Applications - Application Details</a> :  <pre>%PROGRAMDATA%\AipConsole\AipNode\backup\&lt;&lt;application_name&gt;\YYYYMMDDHHMM.zip</pre>
Same configuration as previous version	 Only available when <b>adding a new version when a version already exists</b> - i.e. a "rescan" scenario. See <a href="#">Application rescan</a>
Enable Automatic discovery	 Only available when <b>adding a new version when a version already exists</b> and when the option <b>Same configuration as previous version</b> scenario. See <a href="#">Application rescan</a> for more information.

## Run analysis

Choose whether you want to **run an analysis immediately** after the source code is delivered. Technically the **Run analysis** option also allows:

- **Source code** to be viewed when **validating Dynamic Links**
- **Architecture Models** results to be checked before generating a snapshot

### Standard onboarding

For a **Standard onboarding** scenario, you should **enable** this option. Enabling this option includes the following steps that would otherwise

- **Validate the Version** - i.e. the delivered source code
- **Accept the Version**
- **Set as current version** - i.e. the version to be analyzed

Enabling the option will also automatically expose the following options:

**Take a snapshot**  
Snapshot name \*  
Snapshot-2021-01-11T13-54-52  
Snapshot Capture Date\*  
2021-01-11 13:54  
 **Publish to Health Dashboard**  
 **Publish to CAST Imaging**

### Advanced onboarding

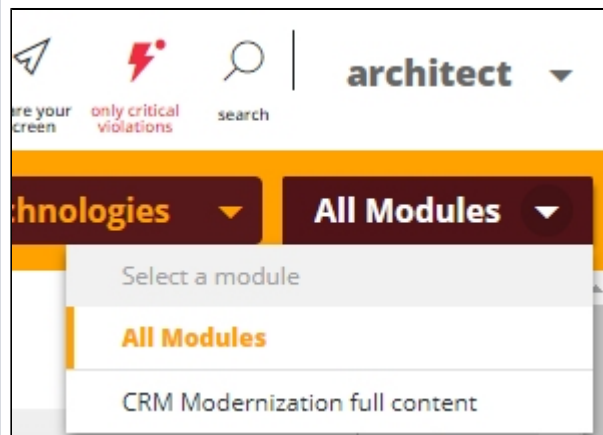
For an **Advanced onboarding** scenario, you should **disable** this option. This will allow you to work through the process of validating/accepting a snapshot as **separate steps**.

## Add modules

This option allows you to choose the **Module strategy** for your results. Modules are used extensively in the **CAST dashboards** as a means for display purposes - indeed objects cannot be seen in the CAST dashboards if they are not part of a Module. The content of a module

- i**
- Disabling the **Run analysis** option will hide this option.
  - When you are delivering a **new Version** of your Application source code (i.e. a Version already exists), and you decide to choose a module strategy is **hidden**. In other words, the module strategy chosen in the previous version will be retained and
  - You can change the selected Module strategy and create user define modules once an initial analysis has run: see [Apply](#)

Modules in the Engineering Dashboard:



CAST offers these options when creating a new version:

Add modules

Per technology ▼

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Per technology

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Per analysis unit

**Add modules** When selected, you have the choice to create **one Module per Technology** or **one Module per Analysis Unit (see Content module will be created containing all your Application source code.**

Backup application  Take a snapshot

Same configuration as previous version Snapshot name \*  
Snapshot-2021-01-11T14-51-27

Enable automatic discovery Snapshot Capture Date\*  
2021-01-11 14:51

Run Analysis  Publish to Health Dashboard

Add modules  Publish to CAST Imaging

**Per technology** If you select this option, **one Module is created per Technology** in your Application - these Modules are created as **Technology modules**. This option is the default, therefore unless you specifically choose a different strategy, this one will be used. This option causes the **Auto generate** strategy in **Application - Config - Modules** to be set to **None (Manual Creation)**. For example:

Module definition

Auto Generate: **None (Manual Creation)**  Ignore Empty Modules + ADD

Module name ↓	Generation Type	Description		
HTML5/Javascript	User defined	Technology module	<input checked="" type="checkbox"/>	<input type="checkbox"/>
JEE	User defined	Technology module	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SQL	User defined	Technology module	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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**Per analysis unit** If you select this option, **one Module is created per Analysis Unit** in your Application - these Modules are created as **Analysis unit modules**. This option causes the **Auto generate** strategy in **Application - Config - Modules** to be set to **None (Manual Creation)**. For example:

Module definition


Auto Generate: **None (Manual Creation)**  Ignore Empty Modules + ADD

Module name ↓	Generation Type	Description		
AUTO-UA-SQL	User defined	Analysis unit module	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HTML5	User defined	Analysis unit module	<input checked="" type="checkbox"/>	<input type="checkbox"/>
JSP	User defined	Analysis unit module	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Rows per page: 10 1 - 3 of 3

An Analysis Unit can best be described as a set of configuration settings that govern how a perimeter of source code created - as such they more often than not correspond to **Projects** discovered by AIP Console.

## Take a snapshot

 If you do not see this option, you must enable the **Run analysis** option.

Choose whether you want to **generate a snapshot immediately** after the source code is delivered:

### Standard onboarding

For a **Standard onboarding** scenario, you should **enable** this option - you can also choose a custom name for your snapshot if you do

**Take a snapshot**  
Snapshot name \*  
Snapshot-2021-01-11T13-54-52  
Snapshot Capture Date\*  
2021-01-11 13:54


Choosing the option includes the following steps that would otherwise need to be manually actioned:

- **Validate the Version** - i.e. the delivered source code
- **Accept the Version**
- **Set as current version** - i.e. the version to be analyzed
- **Run an analysis** - source code analysis results are stored in the Analysis schema
- **Take a snapshot** - metrics and structural rule data is consolidated in the Dashboard schema - results can be viewed in an **Engine**
- 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

### Advanced onboarding

For an **Advanced onboarding** scenario, you should **disable** this option. This will allow you to work through the process of validating/a snapshot as **separate steps**.

## Publish to Health Dashboard

 If you do not see this option, you must enable the **Run analysis** option.

Choose whether you want to **publish the snapshot in the Health Dashboard immediately** after the source code is delivered. This option


### Standard onboarding

For a **Standard onboarding** scenario, you should **enable** this option.

### Advanced onboarding

For an **Advanced onboarding** scenario, you should **disable** this option. This will allow you to work through the process of validating/a snapshot as **separate steps**.

## Publish to CAST Imaging

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- 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 [CAST Imaging Settings](#) for more information.

Choose whether you want to **publish the snapshot in your CAST Imaging instance immediately** after the source code is delivered.

### Standard onboarding

For a **Standard onboarding** scenario, you should **enable** this option.

### Advanced onboarding

For an **Advanced onboarding** scenario, you should **disable** this option. This will allow you to work through the process of validating/a snapshot as **separate steps**.