ACH - Define a new Architecture Model

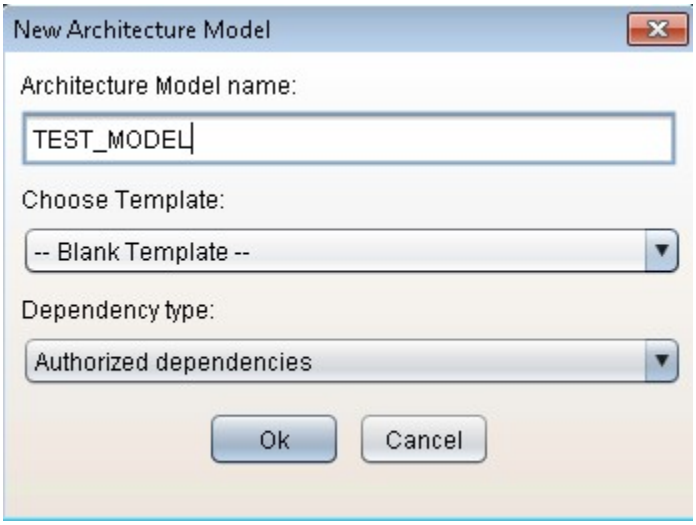
Starting from CAST AIP 8.3.23, **CAST Architecture Checker** will no longer be installed as part of the CAST AIP setup, whether installing CAST AIP from scratch or on a server where a previous release of CAST AIP exists. CAST Architecture Checker has evolved into a **standalone component** where all feature requests and bug fixes are now managed. This standalone component can be downloaded from **CAST Extend** (**https://extendng.castsoftware.com/#/search-results?q=archichecker**).

Up-to-date documentation can be found here: **CAST Architecture Checker**.

Define a new Architecture Model

When you first launch the Architecture Checker, you need to to define a new Architecture Model to get started:

- Use the **File** > **New Architecture Model** option or right click the blank Main window (**Model tab**) and select **New Architecture Model**
- A dialog box will then be displayed enabling you to define the new model:



Architecture Model name	Enter a name for your Model - this simply identifies the Architecture Model to you.
Choose Template	Allows you to select the custom template you require from the drop downlist - the CAST Architecture Checker will offer you all predefined templates shipped with the software, and any custom templates you have saved to the default template storage location (%USERPROFILE%\Documents). Your new model will open containing all configuration saved to the custom template you have chosen. Alternatively you can choose **Blank Template**, which will give you an empty Architecture Model. See Working with Templates for more information. Note that the predefined templates shipped with the software are located in the **configuration\ACTemplate** folder in the CAST AIP installation folder.
Dependency Type	This drop down list enabled you to select the type of Architecture Model you want to create, depending on your requirements: • a model defining **authorized dependencies** between layers - i.e. links that are allowed • a model defining **forbidden dependencies** between layers - i.e. links that are not allowed Notes **Authorized model type**: - When two layers have no links between them in the model and in reality there are links, then a violation will be reported. - If a link between two layers is created in the model, then no violations will ever be raised regardless of whether in reality links exist or not. **Forbidden model type:** - When two layers have no link between them in the model, whatever the reality is, no violations will be reported. - Violations will be reported only when a link between two layers is created in the model and in reality the link exists.

- Click **OK** to complete the creation of the Architecture Model.
- Refer to Define Layers, Sets and Dependencies and also Define Layer or Set Contents for more information about the rest of the creation process.
- You should also use the **Save** option (see Toolbar for more information) to save your model for future re-use.
- You may also wish to define various **Properties** for your model (for example, **weight** and **criticality** of the associated Quality Rule) - if so, see Configuring model properties. Otherwise default values will be used.