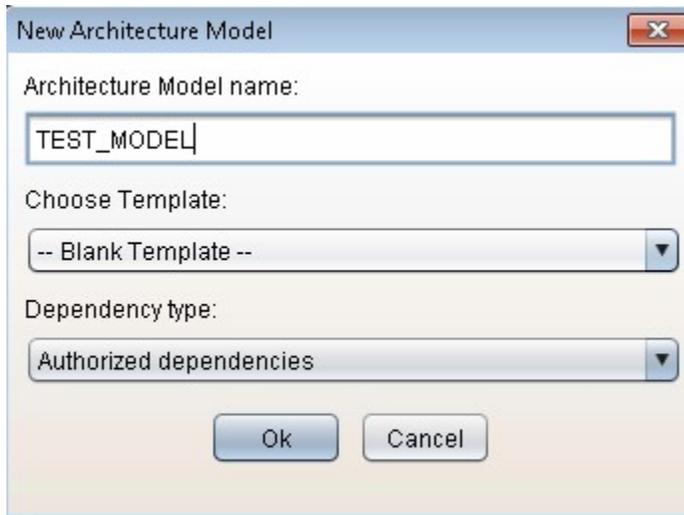# CAST Architecture Checker - Define a new Architecture Model

To define a new Architecture Model, use the **File** > **New Architecture Model** toolbar 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:

Click **OK** to complete the creation of the Architecture Model. When an Architecture Model is created, it is blank - i.e. no Layers, Sets or Dependencies exist.

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 the 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 Architecture Checker 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 between objects that are authorized • a model defining **forbidden dependencies** between layers - i.e. links between objects that are forbidden
	ⓘ **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.

ⓘ

- 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 as a **.CASTArchitect file** for future re-use.
- You may also wish to define various **Properties** for your model (for example, **weight** and **criticality** of the associated default rule) - if so, see Configuring model properties. Otherwise default values will be used.