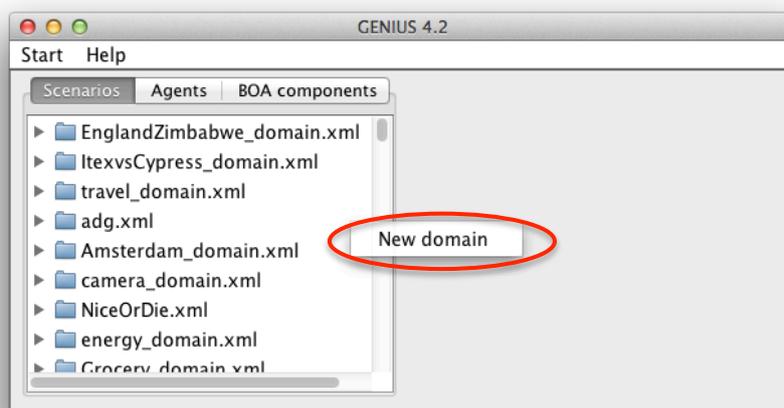


Quick Start Tutorial: How to create a Scenario

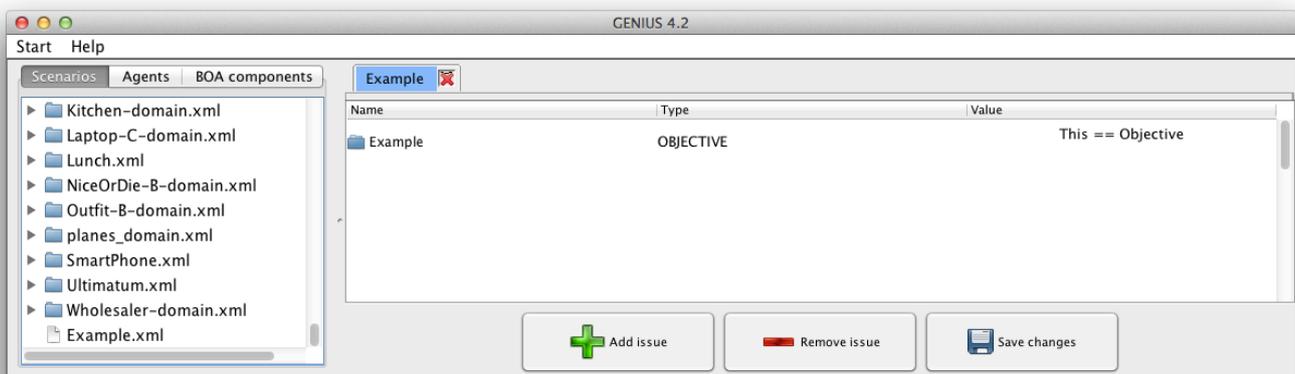
In this tutorial you will learn how to create a domain and preference profile as part of creating a negotiation scenario.

Creating a Domain

A domain consists of a set of issues. To create a domain, **right click** on the list of available scenarios in the **Components Window**. A popup menu with the option to create a new domain will be displayed as shown in the figure below:

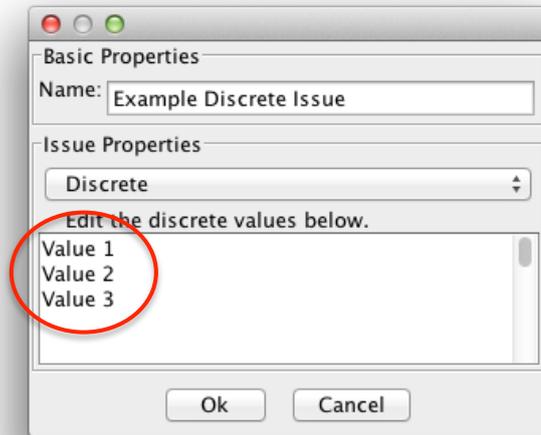


After selecting “**New domain**,” you will be prompted to enter a domain name. Enter a name and select “**Ok**.” A domain will be created and added at the bottom of the “Scenarios” tab in the Components Window. The domain will be displayed in a window similar to the figure below.

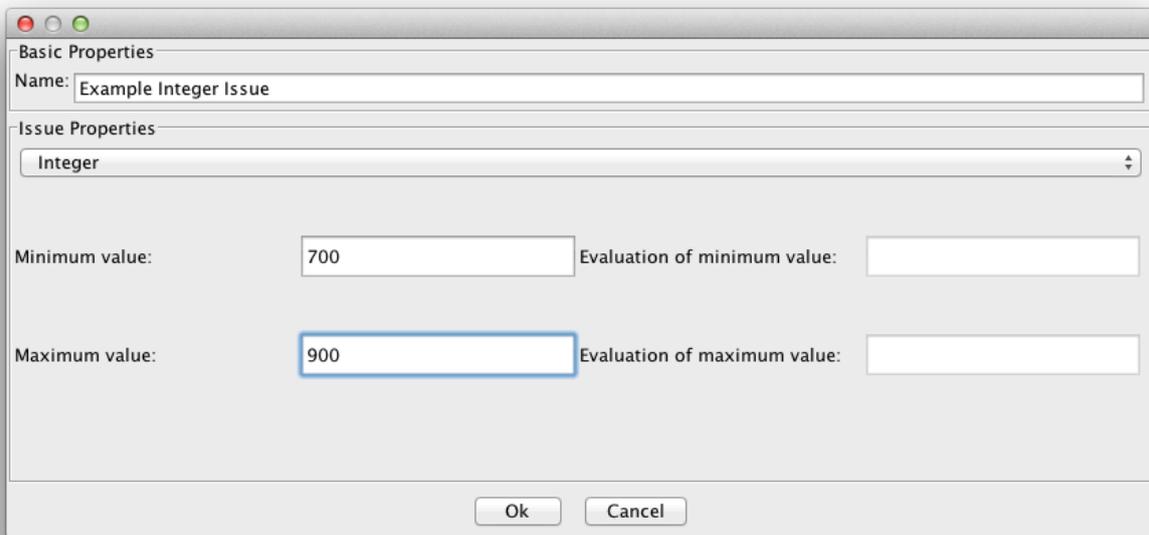


Next, issues must be added to the domain. Select the “**Add issue**” button at the bottom of the window. A dialog box will appear: enter the issue name. Under “Issue Properties” you can choose to create a **Discrete** or an **Integer** issue.

For a **Discrete issue**, enter each issue value on a separate line similar to the figure below. Evaluation values will be entered later in the preference profile.



For an **Integer issue**, enter the minimum and maximum values for the issue. The evaluation values will be entered later in the preference profile.

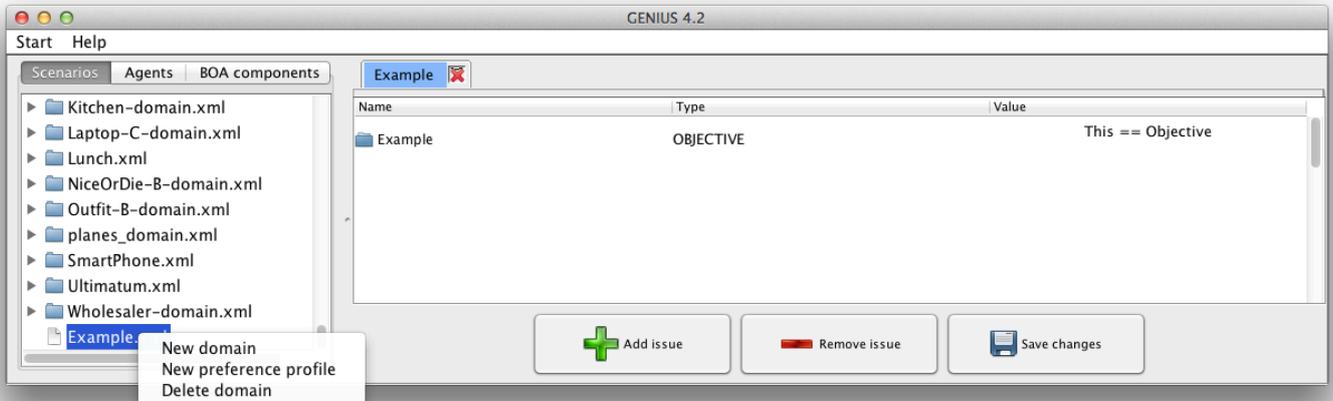


Make sure to save the issues in the domain by selecting "**Save changes**" before creating a preference profile.

Creating a Preference Profile

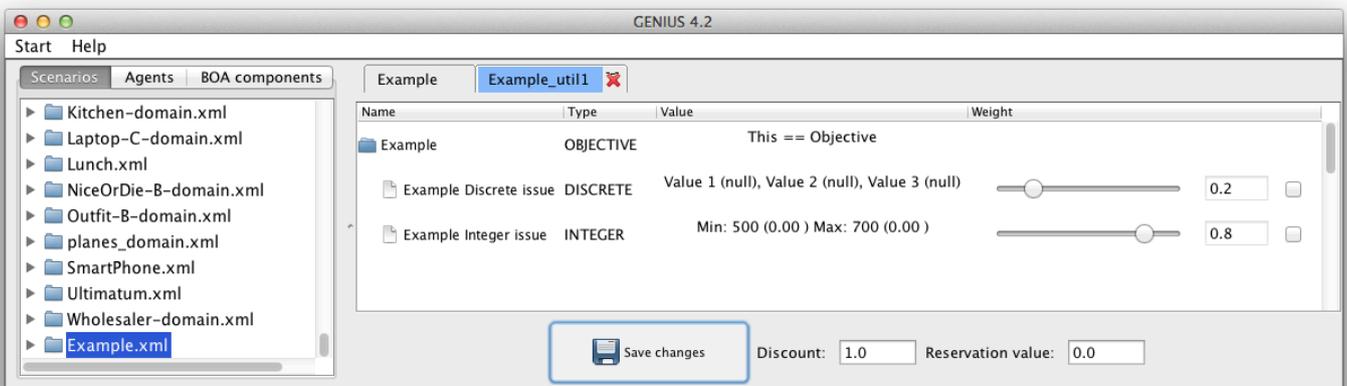
A preference profile specifies the following: the **weight** (importance) of the issues in the domain; the **reservation value** and **discount**; the **evaluation** (preference) of the values of the issues.

To create a preference profile, **right click** on the domain in the “Scenarios” tab of the Components Window. Select “**New preference profile**” from the popup menu as shown in the figure below.



A utility space window will open similar to the figure below. Set the **weights of the issues** by moving the sliders next to each issue. Note, when you move a slider, the weights of the other issues are automatically updated such that the sum of the weights is equal to one. If you do not want that the weight of an issue to automatically change select the checkbox next to the slider.

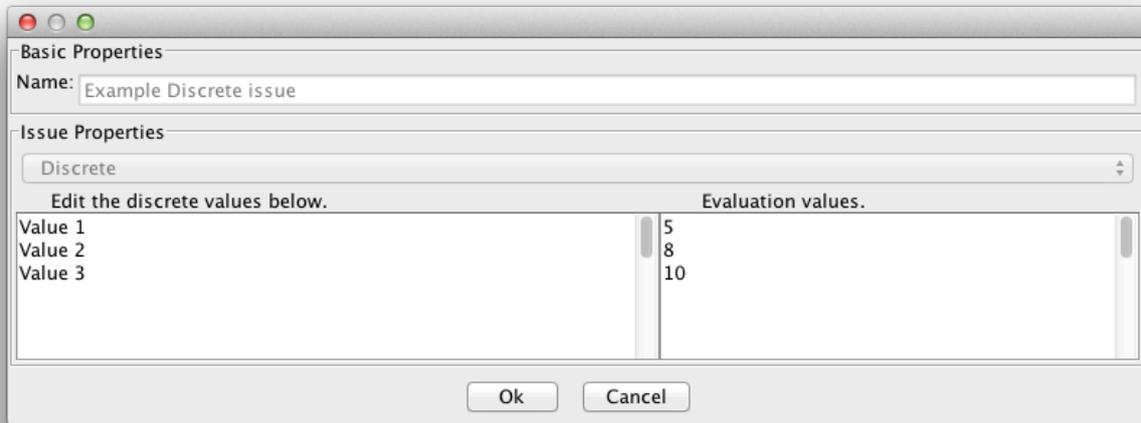
A **discount rate** and **reservation value** can be entered at this window as well.



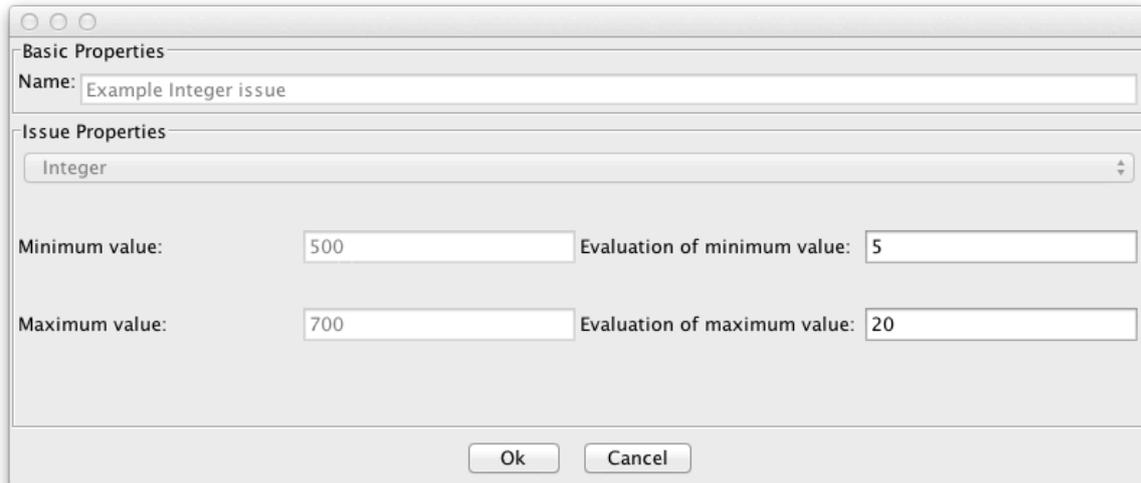
Select “**Save changes.**” The weights of the issues must be saved before the evaluation values of the issues can be set.

To set the **evaluation of the issues**, double click on the issue name in the utility space.

For a **discrete issue**, specify the evaluation value of each discrete value. Evaluation values must be non-zero integers.



For an **integer issue**, specify the utility of the lowest possible value and the highest possible value. The utility of a value in this range is calculated during the negotiation using linear interpolation.



Make sure to select "**Ok**" to save the evaluation values.

Finally, select "**Save changes**" in the utility space window.

You can create additional preference profiles for the domain in order to run a negotiation.