

Range Slider Extension Setup & User Guide

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1. Introduction and Installation

Extensibility is a core aspect of the architecture and design of ThingWorx. Partners, third parties, and users, as well as ThingWorx can easily add new functionality into the system in a seamless manner. Extensions can be Service (function/method) libraries, Connector Templates, Widgets, and more.

This document provides installation and usage instructions for the ThingWorx Range Slider Extension

About the Range Slider Extension

The Range Slider Extension for ThingWorx provides your ThingWorx platform with the addition of a Range Slider Widget to be used in the Mashup Builder. The Range Slider widget creates a scrollbar object which can be placed within a panel in a mashup. The scrollbar has stops for a minimum and maximum value, and the size of the bar, the numerical minimum, beginning, maximum, and end values can all be customized.

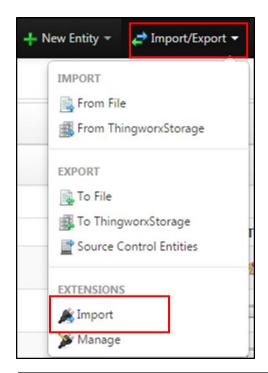


The Range Slider has a number of customizable properties, and provides a "Selection Changed" event trigger which can be bound to other actions in the Mashup.

Installing the Range Slider Extension

- **1.** From a web browser, launch ThingWorx.
- **2.** Log into ThingWorx as an administrator.

3. Go to Import/Export > Import.



- **4.** Click Choose File and select **RangeSlider.zip**.
- **5.** Click **Import**.

Note: If an **Import Successful** message does not display, contact your ThingWorx System Administrator.

6. Click **Yes** to refresh Composer after importing the final extension.



Note:

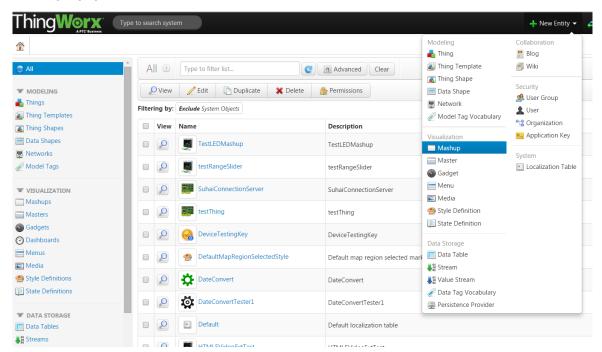


2. Range Slider Extension: Configuration and Use

Usage of the Range Slider Extension requires creation and configuration of a Range Slider Widget in ThingWorx's Mashup Builder. Please refer to the Range Slider download page in the Marketplace for additional information.

Configuration and Usage

1. With the Range Slider extension imported into ThingWorx, open up a Mashup or create a new one.



2. Inside the mashup builder, look for the "**RangeSlider**" widget, and drag and drop it into a new panel.



3. From here, you can configure the size and configuration parameters of the Ranger Slider. You may also link the "Selection Changed" event to a bindable action in the mashup. The Selection Changed event is triggered every time either the start/end handles are moved or the entire selection is moved.

- **4.** The parameters are configurable by clicking on the widget and editing the fields in the Properties window at the bottom-left.
 - SliderBegin: The position of the left handle on the slider.
 - SliderEnd: The position of the right handle on the slider.
 - Minimum: The beginning number (and minimum value) on the slider bar.
 - Maximum: The ending number (and maximum value) on the slider bar.
 - Step: This property adjusts
 the increment or decrement
 amount the slider moves by
 each time it is adjusted. The
 slider will not move an
 amount less than the "Step"
 property.



Additional Notes:

The JS widget library used for this extension contains other types of RangeSliders: "Editable" (where values may be written directly to the slider) and "Date" (where the slider is a range of dates instead of number values).

3. Compatibility

This extension has been tested for compatibility with the following ThingWorx platforms and Java JRE versions:

ThingWorx Platform Version	Java JRE Version
ThingWorx 6.0.1	Java v8 (JRE 1.8.0_45)