

Object Type Attributes

Summary

Object type attributes enable important data to be added to objects. The attributes are type specific and all objects of that particular type can be defined by using the type attributes. Setting up type attributes requires **Schema Manager's** permission.

In this article

- [Label](#)
- [Description](#)
- [Types of attributes](#)
- [Additional configuration](#)
 - [General](#)
 - [Cardinality](#)
 - [Validation](#)
 - [Options](#)
 - [Filter objects](#)

Attribute types are used to determine the attribute field's behavior. There are a few configuration items to consider for each attribute.

Label

Each Object must have a label and is the attribute that representing the object in Insight. You are allowed to change the label to any TEXT attribute. The default label is "Name" but can be changed from a system perspective in the Insight global app configuration in JIRA Administration add-on section.

Description

You can give the attribute a description to help your users to know what value to add in the attribute field.

Types of attributes

You can select the attribute type, this setting determines how the attribute value should be managed (and if its allowed).

Attribute Type	Type Value	Additional Value	Description
Default	Text	<i>None</i>	Data type with text representation, often used when showing normal text. Maximum 450 characters.
Default	Boolean	<i>None</i>	Data type with only two possible values: true or false.
Default	Integer	<i>None</i>	Commonly known as a "whole number", is a number that can be written without a fractional component. For example, 21, 4, and 2048 are integers. This Attributes supports the Long Integer and will allow numbers that range from -2,147,483,648 to +2,147,483,647
Default	Float	<i>None</i>	Data type representing numbers with decimals.
Default	Date	<i>None</i>	Data type representing a Date field.
Default	DateTime	<i>None</i>	Data type representing a Date and Time field.
Default	URL	<i>None</i>	Data type representing an URL field. May be used for URL Ping service that pings the address every 5 minutes from the server side. Watch object to get email notifications on URL Ping Up/Down.
Default	Email	<i>None</i>	Data type representing an email field.
Default	Textarea	<i>None</i>	Data type with text representation, often used when showing large text. Use Insight rich editor to customize the content. Unlimited characters in comparison to the Text attribute.
Default	Select	<i>None</i>	Data type to represent text values, predefined as options.

Default	IP Address	None	Data type to represent IP Addresses (IPv4)
Object	Insight object	Reference Type	This type enables a reference to another Insight object.
User	Jira group	Show on Profile	This type makes it possible to select a user from the selected Jira group and connect object/s with users.
Confluence	Confluence instance	Confluence page	This type enables a link to a Confluence page.
Group	None	Show on Profile	This type makes it possible to select a Jira group and connect object(s) with user(s) in specified groups.
Version	Jira Project	None	This type makes it possible to reference a Jira Version from a specific Jira Project to your object(s).
Project	None	None	This type makes it possible to reference a Jira Project to your object(s).
Status	Allowed Statuses	None	This type is used to set a Status of an object. Define the statuses that should be allowed, and left empty means all statuses allowed.

⚠ In order for the Confluence attribute type to work, you must have an application link setup (Trusted Connection) between Jira and Confluence. Insight caches pages for 30 minutes, so any changes or page names will not be shown in Insight after 30 minutes. **Your Confluence version needs to be 5.5 or above.**

Additional configuration

Choose **Configure** to set additional configuration. Depending on the attribute type, you have different configuration options as shown below. "Location" is a **Reference** object type while "Price" is an Integer type.

Configure: Location

General Cardinality Filter objects

Include Children ⓘ

Unique ⓘ

Hidden ⓘ

[Cancel](#)

Configure: Price

General Cardinality

Suffix

Unique ⓘ

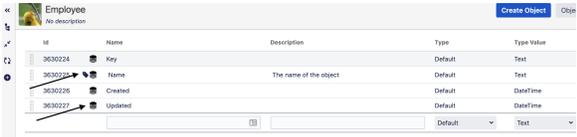
Show sum ⓘ

Hidden ⓘ

Indexed ⓘ

[Cancel](#)

General

S u f f i x	For default type "Integer" and "Float" you can set a suffix for the attribute. Example is "\$" for an attribute "Salary".
H i d d e n	Hide the attribute from users in the "insight-users" role.
I n c l u d e c h i l d r e n	Include objects from a child object type(s).
U n i q u e	Validate attribute values to be unique within the object type.
S h o w S u m	For default type "Integer" and "Float" you can choose to add the values and display the sum of the attribute values
I n d e x e d	<p>This is a checkbox and you can use this to determine if you want to index this attribute or not.</p> <p>The Indexed feature on every attribute essentially helps you to retrieve your search results faster when you do a basic search or an advanced search functions, imports, custom fields etc). So the recommended practice is that for all IQL queries used at these multiple places, you should index your a</p> <p>If your attribute is indexed, Insight will not retrieve results from the database every time but instead retrieve them from an index/cache which yields r comes at the cost of a higher memory consumption.</p> <p>For non-indexed attributes, memory consumption will be lower.</p> <p>If you index an attribute, a small icon  precedes the <i>Name</i> of the attribute as shown below. This icon will not be visible when you uncheck the I</p> <p>Additionally, for the <i>label</i>/attribute, the indexed icon will appear adjacent to the icon for the <i>label</i>/as shown below.</p>  <p>By default, Insight will index all attributes on an object type, but the "Textarea" attribute is an exception to this rule.</p> <p>The Key, Label, Created, and Updated attributes will always be indexed, as will any attributes of the type Reference.</p>

Cardinality

You can specify a minimum and maximum of number of attributes values that can be associated to the attribute. This is common when you need to set an attribute multiple choices or required / mandatory.



For attributes of type "Default" you can only set maximum cardinality to 1, except "URL" and "Email" where you may space separate.

Validation

You may validate attributes of default type "Text", "Email" & "URL" with regular expressions. This can be handy if you want to validate specific information, like an IP address, a domain name, a phone number, or anything else that may require validation.

Options

You may add multiple Options to a "Select" Type Attribute by adding them here.

Filter objects

For attribute of type "Object" you may filter objects to be selected by IQL. By using this filter it is possible to create dependencies to other fields when creating/editing objects.

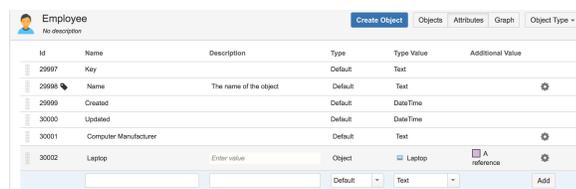
The following examples shows how to configure an object reference attribute on the object type Employee to reference a Laptop. If a value is entered in the Manufacturer textbox only Laptops with the corresponding Vendor will be choosable. It is possible to combine multiple fields in the IQL to get multiple dependencies. Read more about the [placeholders](#) in order to figure out how to utilise them for your usecase.

The employee has an outbound reference to Laptop. The employee also has an attribute called *Computer Manufacturer*

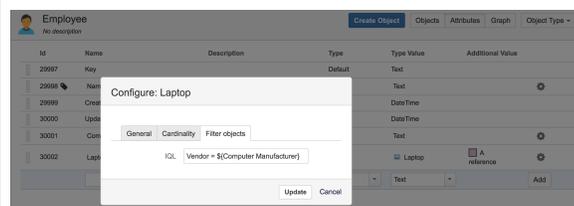
The IQL for attribute Laptop is configured with

```
Vendor = ${Computer Manufacturer}
```

The laptop has a



Employee					
No description					
	Name	Description	Type	Type Value	Additional Value
2997	Key		Default	Text	
2998	Name	The name of the object	Default	Text	
2999	Created		Default	DateTime	
3000	Updated		Default	DateTime	
3001	Computer Manufacturer		Default	Text	
3002	Laptop	Enter value	Object	Laptop	A reference



Employee					
No description					
	Name	Description	Type	Type Value	Additional Value
2997	Key		Default	Text	
2998	Name		Default	Text	
2999	Created		Default	DateTime	
3000	Updated		Default	DateTime	
3001	Com		Default	Text	
3002	Lap		Object	Laptop	A reference

Configure: Laptop

General | Cardinality | Filter objects

IQL: Vendor = \${Computer Manufacturer}

Update Cancel



Laptop	
No description	
	Name
2314	Key
2315	Name
2316	S/N
2318	Purchase Date
2319	Screen Size (inch)
2320	User
2321	Created
2322	Updated
3003	Vendor