Using Jira Software specific classes and Pickers in Scripts

Starting with version 1.3.0, it is possible to add Sprint and Board pickers.

For this to work, Jira Software has to be installed in your system.

Agile Board Picker example

This chart shows all open sprints in the chosen boards.



Layout Script

```
var c3arg = {
   onrendered: updateFrameHeight,
   data: chartData,
    axis: {
       x: {
            type: 'category', // this needed to load string x value
            label: {
               text: chartData.custom.xLabel,
                position: 'outer-left'
            }
        },
       y: {
            label: chartData.ytype
        }
    }
};
c3.generate(c3arg);
```

```
import com.atlassian.jira.component.ComponentAccessor;
import com.decadis.jira.xchart.api.util.DateUtils;
import com.decadis.jira.xchart.api.model.Period;
import com.decadis.jira.xchart.api.model.ChartData;
import com.decadis.jira.xchart.api.CountGroup;
import com.atlassian.greenhopper.service.rapid.view.RapidViewService;
import com.atlassian.greenhopper.service.rapid.RapidViewQueryService;
import com.atlassian.greenhopper.service.sprint.Sprint;
import org.apache.log4j.Logger;
def logger = Logger.getLogger("BoardPicker");
def data = chartBuilder.newDataCollector();
def rapidViewService = ComponentAccessor.getOSGiComponentInstanceOfType(RapidViewService.class);
def rapidViewQueryService = ComponentAccessor.getOSGiComponentInstanceOfType(RapidViewQueryService.class);
for (def boardId in BoardPicker)
{
    def rapidView = rapidViewService.getRapidView(user, Long.parseLong(boardId)).getValue();
    if (rapidView != null)
     List<Sprint> sprints = rapidViewQueryService.getOpenSprintsAndBacklogProjects(user, rapidView).
getValue().left();
     for (Sprint sprint in sprints)
      {
            data.addValue(1, sprint.getName(), rapidView.getName());
      }
    }
}
data.fillMissingValues();
def chartData = chartBuilder.newChartData("Open Sprints")
chartData.setType("bar");
chartData.addCustomData("xLabel", "Boards");
chartBuilder.getChartUtil().transformResult(data, chartData, true);
return chartData;
```

Agile Sprint Picker example

This chart is a category chart that shows the number of issues in the selected sprints.



Layout Script

```
var c3arg = {
    onrendered: updateFrameHeight,
    data: chartData,
    axis: {
       x: {
            type: 'category', // this needed to load string x value
            label: {
                text: chartData.custom.xLabel,
                position: 'outer-left'
            }
        },
        у: {
           label: chartData.ytype
        }
    }
};
c3.generate(c3arg);
```

Data Script

```
import com.atlassian.jira.component.ComponentAccessor;
import com.decadis.jira.xchart.api.util.DateUtils;
import com.decadis.jira.xchart.api.model.Period;
import com.decadis.jira.xchart.api.model.ChartData;
import com.decadis.jira.xchart.api.CountGroup;
import com.atlassian.jira.user.ApplicationUser;
import com.atlassian.greenhopper.service.sprint.SprintIssueService;
import com.atlassian.greenhopper.service.sprint.SprintService;
import com.atlassian.jira.issue.Issue;
import org.apache.log4j.Logger;
def logger = Logger.getLogger("SprintPickerLog");
def data = chartBuilder.newDataCollector();
// this is how the specific Jira Agile classes can be used in xCharts
def sprintService = ComponentAccessor.getOSGiComponentInstanceOfType(SprintService.class);
def sprintIssueService = ComponentAccessor.getOSGiComponentInstanceOfType(SprintIssueService.class);
ApplicationUser applicationUser = ComponentAccessor.getJiraAuthenticationContext().getLoggedInUser();
for ( def sp in SprintPicker )
{
    def sprint = sprintService.getSprint(applicationUser, new Long(sp)).get();
    Iterable<Issue> issuesInSprint = sprintIssueService.getIssuesForSprint(user, sprint).get();
    long size = issuesInSprint.spliterator().getExactSizeIfKnown();
    data.addValue(size, "Issues", sprint.getName());
}
data.fillMissingValues();
def chartData = chartBuilder.newChartData("Issue Count")
chartData.setType("bar");
chartData.addCustomData("xLabel", "Sprint");
chartBuilder.getChartUtil().transformResult(data, chartData, false)
return chartData;
```

Related examples

TitleUsing Jira Software specific classes and Pickers in ScriptsStory status category grouped by Epic and custom valueSimple Timeseries ChartSimple Table ReportSimple Scripting ExampleReport - Lucene Group ByOpen issues with averageIssues in specific status (Period)Group ordering in scripted chartsGantt Diagram

Customers in a Google Map

Created vs. resolved with trend

Comments count by user in JQL result

Block Search

2Y Axes Chart

Simple External Database Chart

If you still have questions, feel free to refer to our support team.