

Using Jira Software specific classes and Pickers in Scripts

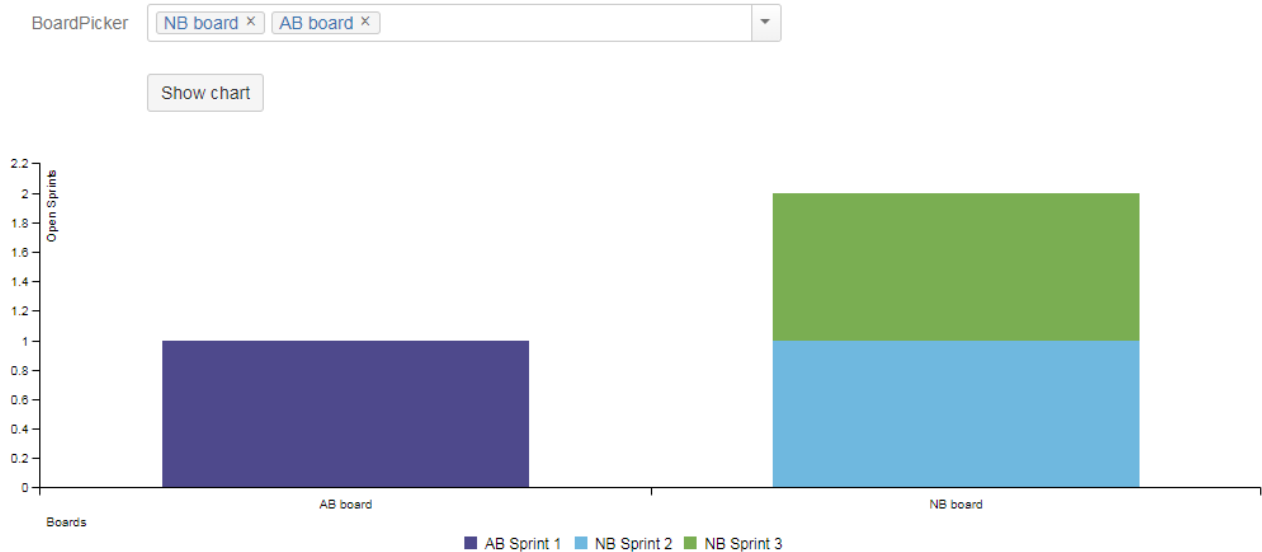
Starting with version [1.3.0](#), it is possible to add [Sprint and Board pickers](#).

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.

▼ Preview



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);
```

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.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;

```

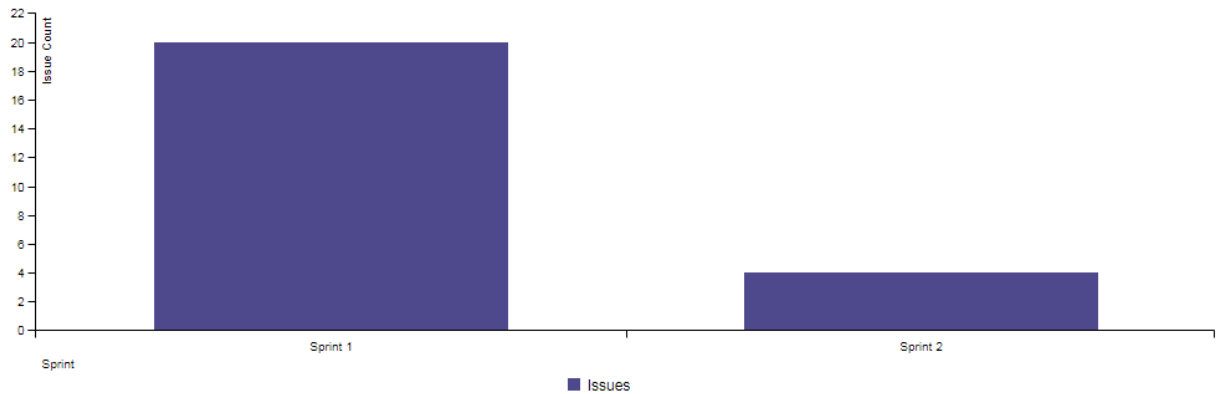
Agile Sprint Picker example

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

▼ Preview

SprintPicker Sprint 1 x Sprint 2 x ▼

Show chart



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);
```

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

Title

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