How to Sync Sprints on Jira On-premise

This article shows how to synchronize sprints in Exalate for Jira on-premise.

> **Note**: You need to sync sprints with a trigger before syncing issues.

Introduction

Starting from version 4.7.0, you can add sync rules to synchronize sprint data. Exalate considers issues and sprints as independent entities. The scripts below use board IDs to identify what sprints to sync. For example, if you enter a Board ID `1`, you sync all sprints from that board.

> **Note**: Sprint synchronization in Jira on-premise is available only for connections in Script mode.

Source Side

Outgoing Sync

Use the following script to send the sprint data:

```
def boardIds = ["50", "80", "130", "144"] //Boards which sprints will get synced
if(entityType == "sprint" && boardIds.find{it == sprint.originBoardId}){
    replica.name = sprint.name
    replica.goal = sprint.goal
    replica.state = sprint.state
    replica.startDate = sprint.startDate
    replica.endDate = sprint.endDate
    replica.originBoardId = sprint.originBoardId
}
if(entityType == "issue"){
    //Executed when syncing an issue to a remote side
    replica.summary = issue.summary
    replica.description = issue.description
    replica.project = issue.project
    replica.type = issue.type
 //....
 //other script rules to sync issues
 //sprint....
    replica.customFields."Sprint" = issue.customFields."Sprint"
}
```

Destination Side

Incoming Sync

Use this script to sync the received sprint data on your side:

```
//entityType represent the type of the remote side entity
if(entityType == "sprint"){
    //Executed when receiving a sprint sync from the remote side
    def sprintMap = ["162":"50", "197": "80", "214": "130", "225": "144"] //[remoteBoardId: localBoardId]

    sprint.name = replica.name
    sprint.goal = replica.goal
    sprint.state = replica.state?.toUpperCase()
    sprint.startDate = replica.startDate
    sprint.endDate = replica.endDate
    def localBoardId = sprintMap[replica.originBoardId]
    if(localBoardId == null){
        throw new com.exalate.api.exception.IssueTrackerException("No board mapping for remote board id "+replica.ori
ginBoardId)
    }
    sprint.originBoardId = localBoardId //Set the board ID where the sprint will be created
}
if(entityType == "issue"){
    //Executed when receiving an issue sync from the remote side
    issue.summary = replica.summary
    if(replica.projectKey == "SCRUM"){
        issue.projectKey = "SCRUM2"
    }
    if(replica.projectKey == "SCRUM2"){
        issue.projectKey = "SCRUM"
    }

    issue.typeName = replica.typeName

    def sprintV = replica.customFields.Sprint.value?.id.collect{ remoteSprintId ->
        return nodeHelper.getLocalIssueKeyFromRemoteId(remoteSprintId, "sprint")?.id?.toString()
    }.findAll{it != null}

    issue.customFields."Sprint".value = sprintV

}
```

> **Note**: You can control which sprints get synchronized from the outgoing sync rules. When you
> don't want an entity to be synchronized, use return before actually setting any value on the
> replica.
>
> ```
> if(entityType == "sprint" && sprint.originBoardId == "12"){
>   //Only sync sprints on board 12
>     if(sprint.id == "87") return //avoid syncing sprint with id 87
>     replica.name = sprint.name
>   replica.goal = sprint.goal
>   replica.state = sprint.state
>   replica.startDate = sprint.startDate
>   replica.endDate = sprint.endDate
>     replica.originBoardId = sprint.originBoardId
>   }
> //The rest of your outgoing script
> ```

Fields of the sprint entity

field name	type
sprint.name	String
sprint.state	String
sprint.originBoardId	String
sprint.startDate	Date
sprint.endDate	Date
sprint.completeDate	Date
sprint.goal	String

How to Start Sprint Sync?

To start the synchronization of a sprint you need to create a trigger and select the **sprint** entity type. Sprints are synced after they are created or updated.

Create Trigger

Specify a JQL query to synchronize issues automatically. If the issue fits the query, it will be synced on the create/update issue event. **Find more details**.

Trigger will apply to selected entity type*

| sprint | ⌄ |

If sprint gets updated or created

Then sync with connection*

| JCloud_to_JServer | ⌄ |

Notes

Sync sprints from Boards with Board ID's specified in outgoing and incoming sync

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