

How to Sync Rich Text and HTML Between Asana and Other Systems

Last Modified on 10/03/2025 2:08 pm EDT

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When syncing data between Asana and other systems like Jira, GitHub, or Azure DevOps, it's important to manage rich text formatting to ensure content maintains its appearance across different platforms.

Rich Text in Asana: Asana supports HTML formatting for descriptions and comments. When syncing with other systems, you can preserve formatting or convert to plain text.

Option 1: Sync as plain text

If you don't need to preserve rich text formatting, strip HTML before syncing:

Asana Outgoing Sync

```
replica.description = nodeHelper.stripHtml(entity.description)
replica.comments = nodeHelper.stripHtmlFromComments(entity.comments)
```

Asana Incoming Sync

```
entity.description = replica.description
entity.comments = commentHelper.mergeComments(entity, replica)
```

Option 2: Preserve HTML formatting

For systems that support HTML (like Azure DevOps), preserve the formatting:

Asana Outgoing Sync

```
replica.description = nodeHelper.convertAsanaHtmlToExternalHtml(entity.description)
replica.comments = entity.comments.collect { comment ->
  comment.body = nodeHelper.convertAsanaHtmlToExternalHtml(comment.body)
  return comment
}
```

Asana Incoming Sync

```
entity.description = nodeHelper.convertToAsanaHtml(replica.description, true)
entity.comments = commentHelper.mergeComments(entity, replica, {
  comment ->
    comment.body = nodeHelper.convertToAsanaHtml(comment.body)
    comment
})
```

Option 3: Convert between HTML and Markdown

For systems like Jira that use Markdown, use conversion helpers:

Jira to Asana

```
// Jira Outgoing Sync
replica.description = nodeHelper.getHtmlField(issue, "description")
replica.comments = nodeHelper.getHtmlComments(issue)

// Asana Incoming Sync
entity.description = nodeHelper.convertToAsanaHtml(replica.description, true)
entity.comments = commentHelper.mergeComments(entity, replica, {
  comment ->
    comment.body = nodeHelper.convertToAsanaHtml(comment.body)
  comment
})
```

Asana to Jira

```
// Asana Outgoing Sync
replica.description = nodeHelper.convertAsanaHtmlToExternalHtml(entity.description)
replica.comments = entity.comments.collect { comment ->
  comment.body = nodeHelper.convertAsanaHtmlToExternalHtml(comment.body)
  return comment
}

// Jira Incoming Sync
issue.description = nodeHelper.toMarkDownFromHtml(replica.description)
issue.comments = nodeHelper.toMarkDownComments(commentHelper.mergeComments(issue, replica))
```

More information

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