

# Forest Resource - POST

## Request

```
POST $baseUrl/rest/structure/1.0/structure/$id/forest

{
  "base":0,
  "root":0,
  "actions":[
    {
      "action":"move",
      "issue":13212,
      "under":10037,
      "after":13210
    },
    {
      "action":"delete",
      "issue":13213
    },
    {
      "action":"add",
      "issue":10410,
      "under":10092,
      "after":0
    }
  ]
}
```

Updates the hierarchical issue list (forest) by applying the specified actions.

### Parameters:

|         |                 |   |
|---------|-----------------|---|
| \$id    | <i>required</i> | The ID of the structure.  |
| base    | <i>required</i> | The base version for the update reply from the server<br><i>Set to 0. Detailed explanation of this parameter will be published later.</i> |
| root    | <i>required</i> | The ID of the pinned issue for the <a href="#">Fixed Structure View</a> , used only to create the reply.                                  |
| actions | <i>required</i> | Array of actions to be applied to the forest, must contain at least one action. The actions are applied in the specified order.           |

## Possible actions

The `actions` array may contain the following JSON objects:

### Move action

|        |   |
|--------|---|
| action | "move"  |
| issue  | the ID of the issue to move   |
| under  | the new parent for the moved issue, or 0 to put it at the top level   |
| after  | the sibling issue (issue under the same parent) that must come before the moved issue, or 0 to place the issue as the first child issue |

If the moved issue contains sub-issues, the whole sub-tree will be moved.

This action object corresponds to the `moveSubtree` method of the [ForestAccessor](#) interface.

### Add action

|        |   |
|--------|---|
| action | "add"   |
| issue  | the ID of the issue to add  |
| under  | the new parent for the moved issue, or 0 to put it at the top level |

|       |   |
|-------|---|
| after | the sibling issue (issue under the same parent) that must come before the moved issue, or 0 to place the issue as the first child issue |
|-------|---|

The new issue will be added to the structure at the position specified by (`under`, `after`) coordinates.

This action object corresponds to the `addIssue` method of the [ForestAccessor](#) interface.

### Delete action

|        |                               |
|--------|-------------------------------|
| action | "delete"                      |
| issue  | the ID of the issue to delete |

The issue will be removed from the forest. (The issue itself will not be changed.)

If the removed issue contains sub-issues, the whole sub-tree will be removed.

This action object corresponds to the `removeSubtree` method of the [ForestAccessor](#) interface.

### Response

```
{
  "update": {
    ...
  },
  "errors": [
    "error text"
  ]
}
```

### Response Fields:

|        |   |
|--------|---|
| update | the object containing update to the client's structure specified by parameters <code>root</code> and <code>base</code> , absent if <code>base</code> is 0 |
| errors | array of the error strings, absent if no errors   |