

# Forest Resource - GET

## Request

```
GET $baseUrl/rest/structure/1.0/structure/$id/forest
GET $baseUrl/rest/structure/1.0/structure/$id/forest?root=$root
```

Returns the hierarchical issue list (forest) of the specified structure.

### Parameters:

\$id	<i>required</i>	the ID of the structure
\$root	<i>optional</i>	the ID of the pinned issue for the <a href="#">Fixed Structure View</a>

## Response

```
{
  "structure":100,
  "version":2981,
  "root":10001,
  "formula":"10009:0,10008:1,10006:2,10002:3,10001:4,10062:4,10070:3,10071:2,10041:2"
}
```

### Response Fields:

structure	the ID of the structure
version	the version of the forest
root	the pinned issue if the fixed structure view has been requested (absent otherwise)
formula	a string representation of the issue forest

## Forest Formula

The forest of issues is represented by a string formula, which consists of pairs "*issue ID.depth*", delimited by a comma. Each pair represents a row in the fully expanded view of the forest.

```
ForestFormula ::= NodeSequence
NodeSequence ::= Node [ "," NodeSequence ]
Node ::= IssueID ":" Depth
IssueID ::= Integer
Depth ::= Integer
```