Slider HBase REST API Specified

# 1.Slider Create App

Create a app -POST - /slider/v1/apps/template

**Description**

创建一个App应用，例如HBase

**URL**

http://{host:port}/slider/v1/apps/template

**URL Parameters**

无

**Body Parameters**

| **Name** | **Description** | **Required** |
| --- | --- | --- |
| appName | 应用名称（全局唯一） | Yes |
| appType | 应用类型 | Yes |
| bdocQueueName | 应用的所在的yarn队列（bdoc queue，短的） | Yes |
| accessId | bdoc用户认证的accessId | Yes |
| accessKey | bdoc用户认证的accessKey | Yes |
| proxyUser | bdoc用户认证的代理用户 | Yes |
| updateConfig | 更新模板中的配置项 | Yes |
| componentOpts | App启动的组件配置，包括数目和yarn 资源 | Yes |

**Result**

如果成功，返回200状态码

**Examples**

**Request Example**

POST http://{host:port}/slider/v1/apps/template HTTP/1.1

Headers:

Authorization: authorization token;

Accept: application/json;charset:utf-8

{

"appName":"demo-hbase",

"appType":"hbase",

"accessId":"accessId1",

"accessKey":"accessKey",

"bdocQueueName":"test",

"proxyUser":"user",

"updateConfig":{

"site.hbase-site.zookeeper.znode.parent": "/demo-hbase",

"app.description":"lalalala"

},

"componentOpts":{

"HBASE\_REGIONSERVER":

{

yarn.component.instances:"2",

yarn.memory:"256",

yarn.cpu:"2"

},

"HBASE\_REST":{

yarn.memory:"231"

}

}

}

**Response Example**

|  |
| --- |
| HTTP/1.1 200 OK  Server: nginx  Date: Fri, 12 Oct 2012 23:33:14 GMT  Content-Type: application/json; charset=utf-8 |

**Error Example**

| **Name** | **Description** |
| --- | --- |
| Status | 错误类型，目前始终是“error” |
| Message | 错误描述 |
| Code | 错误码 |

**Response Example**

| **Error code** | **英文消息描述** | **中文消息描述** |
| --- | --- | --- |
| 3000000001 | {appType} doesn't exist | 没有对应的App模板信息 |

例子：

|  |
| --- |
| {      "Status": "error",      "code": "3000000001",      "Message":.  } |

**附录：**

Slider中配置app-template.xml

<app-templates>

<type name="hbase">

<packagePath>/slider/appzip/slider-hbase-app-package-1.0.0-bc1.3.0.zip</packagePath>

<appConfigPath>/slider/template/hbase/appConfig.json</appConfigPath>

<resourcePath>/slider/template/hbase/resources.json</resourcePath>

</type>

</app-templates>

例子2：tomcat的创建

Body Parameter:

{

"appName":"testtomcat",

"appType":"tomcat",

"accessId":"841c421b50327b8824fd",

"accessKey":"91cf0f10b0302349fef14d4c1606fccaa85666a1",

"proxyUser":"test",

"bdocQueueName":"root.dev",

"updateConfig":{

"site.server-xml.connection.timeout":"21500"

},

"componentOpts":{

"TOMCAT":{

"yarn.role.priority": "1",

"yarn.component.instances": "1",

"yarn.memory": "1024"

}

}

}

app-template.xml的配置

<app-templates>

<type name="tomcat">

<packagePath>

/slider/.slider/package/TOMCAT/slider-tomcat-app-package-0.80.0-bc1.3.0.zip

</packagePath>

<appConfigPath>/home/dev/apps/tomcat/appConfig.json</appConfigPath>

<resourcePath>/home/dev/apps/tomcat/resources.json</resourcePath>

</type>

</app-templates>

CreateApps:

{

"appName":"tomcat2",

"appType":"tomcat7",

"bdocQueueName":"root.dev",

"accessId":"test",

"accessKey":"test",

"proxyUser":"bdoc",

"appConfig":{

"java\_home": "/usr/jdk64/jdk1.7.0\_67",

"site.global.xmx\_val": "1g",

"site.global.xms\_val": "128m",

"site.global.memory\_val": "200M",

"site.global.hdfs\_app\_dir": "/user/app/data",

"site.server-xml.http.port":"${TOMCAT.ALLOCATED\_PORT}",

"site.server-xml.connection.timeout":"20000"

},

"yarnConfig":{

},

"components":{

"slider-appmaster": {

},

"TOMCAT": {

"yarn.role.priority": "1",

"yarn.component.instances": "1",

"yarn.memory": "512"

}

}

}

Upgrade:

{

"appName":"tomcat2",

"appType":"tomcat7",

"bdocQueueName":"root.dev",

"accessId":"test",

"accessKey":"test",

"proxyUser":"bdoc",

"appConfig":{

"java\_home": "/usr/jdk64/jdk1.7.0\_67",

"site.global.xmx\_val": "1g",

"site.global.xms\_val": "128m",

"site.global.memory\_val": "200M",

"site.global.hdfs\_app\_dir": "/user/app/data",

"site.server-xml.http.port":"${TOMCAT.ALLOCATED\_PORT}",

"site.server-xml.connection.timeout":"45400"

},

"yarnConfig":{

},

"components":{

"slider-appmaster": {

},

"TOMCAT": {

"yarn.role.priority": "1",

"yarn.component.instances": "1",

"yarn.memory": "512"

}

}

}