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| INFORSTACK inc |
| VM管理接口定义API |
| 接口规范 |
|  |
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| **2013/1/4** |

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| [在此处键入文档摘要。摘要通常为文档内容的简短概括。在此处键入文档摘要。摘要通常为文档内容的简短概括。] |

# VM管理API

**1. 对应SERVLET**

/RedDragonEnterprise/InstanceCtrlServlet

**2. VM状态控制（开机，关机，暂停，恢复）**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | executecommand |  |
| executecommand | poweron/poweroff/pause/resume |  |
| vmid | VM ID |  |
| zone | 域 |  |

返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | done/error/exception |  |
| command | poweron/poweroff/pause/resume/command |  |

**3. 删除VM**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | removevm |  |
| zone | 域 |  |
| vmid | vm UUID |  |

返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | done/failtostop/failtodelete/exception | failtostop停机失败  failtodelete 删除失败 |
| command | removevm |  |

**4. 获取用户全部VM及详细信息**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | vmdetails |  |
| loginuser | 用户名 |  |

返回值 JSONArray

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| vmid | VM UUID |  |
| vmname | VM名 |  |
| cpus | 当前CPU数 | 返回为null,说明尚未设定 |
| memory | 当前memory大小 | 返回为null,说明尚未设定 |
| starttime | VM创建时间 | 返回为null,说明尚未设定 |
| expiretime | VM过期时间 | 返回为null,说明尚未设定 |
| publicips |  | 返回为null,说明尚未设定 |
| publicip | 已挂载的公网IP |  |
| privateip | 私网IP | 返回为null,说明尚未设定 |
| disksize | VM默认磁盘大小 | 返回为null,说明尚未设定 |
| maxmemory | 最大内存 | 返回为null,说明尚未设定 |
| maxcpus | 最大CPU | 返回为null,说明尚未设定 |
| status | VM当前状态 |  |
| statusdisplay | VM状态显示字符 |  |
| accesspoint | VM VNC访问地址 |  |
| zone | VM所在域 |  |
| zonename | VM所在域显示名 |  |
| ostpye | VM操作系统类型 |  |
| assignedto | 指定的子用户 |  |

异常返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | exception |  |
| command | vmdetails |  |

**5. 检查VM名**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | checkvmname |  |
| vmname | VM名 |  |

返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | available /notavailable/exception |  |
| command | checkvmname |  |

**6. 更改VM CPU Memory配置**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | changevmsetup |  |
| resourcetype | memory/cpu |  |
| value | 资源大小 |  |
| zone | 域 |  |
| vmid | 需挂载的vm UUID |  |

返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | done/error/exception |  |
| command | changevmmemory/changevmcpu/changevmsetup |  |

**7. 获取VM 密码**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | getvmpasswd |  |
| privateip | Vm private ip |  |

返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | done/error/ |  |
| vmpasswd | VM密码 |  |
| command | getvmpasswd |  |

**8. vm静态迁移**

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| methedtype | migratevm |  |
| vmid | Vm uuid |  |
| targetserverip | 目标服务器IP |  |

返回值 JSONObject

|  |  |  |
| --- | --- | --- |
| 参数 | 值域 | 备注 |
| status | done/ vmnotexists/ vmnotoff/ failed/exception | vmnotexists: vm不存在  vmnotoff: vm未关机 |
| command | migratevm |  |