

## Table of Contents

|  |   |
|--|---|
| <b>Cache Tiles job from Linux</b> .....              | 1 |
| <b>ArcGIS Server Enterprise for Linux 10.x</b> ..... | 1 |
| <b>Directory structure</b> .....                     | 1 |
| <b>Site Administration</b> .....                     | 2 |
| <b>Server Administration</b> .....                   | 2 |
| <b>REST Catalog</b> .....                            | 2 |
| <b>Set heap under ArcGIS Server for Linux</b> .....  | 2 |
| <b>Change Permission for my REST Service</b> .....   | 2 |
| <b>DB Connectivity</b> .....                         | 2 |

<https://koopjs.github.io>

# Cache Tiles job from Linux

```
#!/bin/sh
USER=
PASSWORD=
HOST=http://IP:6080/arcgis
LAYER=layer
TOKEN=`curl -X POST -d username=$USER -d password=$PASSWORD $HOST/tokens/generateToken`
LEVELS="2311162.217155;1155581.108577;577790.554289;288895.277144;144447.638572;72223.819286;36111.909643;18055.954822;9027.977411;4513.988705;2256.994353"
EXTENT="1380000%206260000%201540000%206460000"

curl
"$HOST/rest/services/System/CachingControllers/GPServer/Manage%20Map%20Cache%20Tiles/submitJob?service_url=$LAYER:MapServer&constraining_extent=$EXTENT&levels=$LEVELS&thread_count=2&update_mode=RECREATE_ALL_TILES&f=json&token=$TOKEN"
```

Check job status

```
http://IP:6080/arcgis/rest/services/System/CachingControllers/GPServer/Manage%20Map%20Cache%20Status/jobs/JOBID
```

# ArcGIS Server Enterprise for Linux 10.x

Machine config

config-store/machines/\*.json

rm -rf /opt/arcgis/server/temp/\*

## Directory structure

Important places

| Path   | Description                  |
|--|------------------------------|
| /server/bin  | main binaries                |
| /server/bin/wine                                     | Wine 1.4                     |
| /server/framework/etc/service.log                    | log                          |
| /server/framework/etc/service_error.log              | error log                    |
| /server/framework/etc/scripts                        | may contain some error dumps |
| /server/framework/runtime/.wine/drive_c/windows/temp | temporary files              |
| /server/framework/runtime/jre                        | Java Runtime                 |
| /server/framework/runtime/tomcat                     | Apache Tomcat                |
| /server/geronimo                                     | Apache Geronimo              |
| /server/usr/logs                                     | Machine logs                 |
| /server/usr/config-store                             | JSON configs                 |

/server/usr/directories - user directories if not placed somewhere else

| Path   | Description    |
|--|----------------|
| /server/usr/directories/arcgiscache/service                        | stored tiles   |
| /server/usr/directories/arcgissystem/arcgisinput/service.MapServer | service folder |

| Path  | Description            |
|---|------------------------|
| /server/usr/directories/arcgissystem/arcgisinput/service.MapServer/extracted/cd   | SHP (data)             |
| /server/usr/directories/arcgissystem/arcgisinput/service.MapServer/extracted/v101 | GDB (data) + MSD + MXD |

Set correct permissions when you are copy files from other sources.

## Site Administration

```
http://sOMEMACHINE:6080/arcgis/manager
```

default login "siteadmin"

## Server Administration

```
http://sOMEMACHINE:6080/arcgis/admin
```

default login "siteadmin"

## REST Catalog

```
http://sOMEMACHINE:6080/arcgis/rest/services
```

## Set heap under ArcGIS Server for Linux

```
Web server maximum heap size (in MB): -1 (Default APACHE TOMCAT HEAP SIZE)
App server maximum heap size (in MB): 256 (Default APACHE GERONIMO HEAP SIZE)
SOC maximum heap size (in MB): 64 (Default Server Object Container x number of threads)
```

```
/server/framework/etc/machine-config.xml
```

Copy tiles from actual directory to another VPS

```
scp -r /opt/arcgis/server/usr/directories/arcgiscache/giscr/Layers/_alllayers/*
10.160.149.11:/var/lib/lxc/101/rootfs/home/basemap/tiles/
```

## Change Permission for my REST Service

```
find . -type f -name '*' -exec chmod 644 {} \;
find . -type d -name '*' -exec chmod 755 {} \;
```

## DB Connectivity

**Service properties → Specify Health Check Settings → Periodically check and repair data connections for idle instances**

If your router or firewall closing persistent DB connection you can configure repair here.

Established connection (without data transfer in idle)

**Linux default: 5 days**

**Average router / firewall: 30 minutes**

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