

Day 7 assignment _ KNU(EOM DAYEON)

<Nodejs registration and resister a service to list files>

```
eom@eom-900X5T:~$ mkdir nodejs
eom@eom-900X5T:~$ cd nodejs
eom@eom-900X5T:~/nodejs$ ares-generate -l
webapp      Web App      - (default) web app for webOS
hosted_webapp Web App      - hosted web app for webOS
webappinfo  Web App Info - appinfo.json for web app
js_service  JS Service   - js service for webOS
jsserviceinfo JS Service Info - services.json, package.json for JS service
icon        Icon         - app icon files [80x80]
qmlapp      QML App      - QML app for webOS
qmlappinfo  QML App Info - appinfo.json for QML app

eom@eom-900X5T:~/nodejs$ ares-generate sampleapp
? app id com.domain.app
? title new app
? version 1.0.0
Generating webapp in /home/eom/nodejs/sampleapp
Success
eom@eom-900X5T:~/nodejs$ ares-generate -t js_service sampleservice
? service id com.domain.app.service
Generating js_service in /home/eom/nodejs/sampleservice
Success
```

```
Success
eom@eom-900X5T:~/nodejs$ ares-package sampleapp sampleservice
Create com.domain.app_1.0.0_all.ipk to /home/eom/nodejs
Success
eom@eom-900X5T:~/nodejs$ ares-install -d emulator ./com.domain.app_1.0.0_all.ipk
Installing package ./com.domain.app_1.0.0_all.ipk
Success
eom@eom-900X5T:~/nodejs$
```

```
const service = new Service(pkgInfo.name); // Create service by service name on package.json
const logHeader = "[" + pkgInfo.name + "]";
let greeting = "Hello, World!";
var fs = require('fs');
var ROOT = '/home/';
```

```
service.register("listfiles",function(message){
    /*var path = ROOT+message.payload.path;
    fs.readdir(path,function(err,files){
        if(err){
            message.respond({
                returnValue: false,
                errorCode:"Error when reading files"
            });
        }
        else{
            message.respond({
                returnValue:true,
                files:files
            });
        }
    });*/

    var path = ROOT+message.payload.path;
    fs.readFile(path,'utf8',function(err,data){
        console.log(data);
        message.respond({
            message : data,
            returnValue:true
        });
    });
});
```

We can see the registered service listfiles by entering the ls-monitor -i commands.

```
root@qemux86:~# ls-monitor -l com.domain.app.service
METHODS AND SIGNALS REGISTERED BY SERVICE 'com.domain.app.service' WITH UNIQUE NAME '900dR4zI' AT HUB

  "/do/re":
    "me": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
  "/" :
    "heartbeat": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
    "listfiles": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
    "pong": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
    "heartbeat2": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
    "ping": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
    "info": {"provides":["com.domain.app.service.group","all","applicationinstall.interface","arescli.interface"]}
    "quit": {"provides":["com.domain.app.service.group","all","applicationinstall.interface","arescli.interface"]}
    "hello": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
    "time": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
  "/config":
    "setGreeting": {"provides":["com.domain.app.service.group","all","arescli.interface"]}
```

<Run the JS Service>

The contents of the test.txt are normally output to the terminal

```
root@qemux86:/home# cat test.txt
hello
my name is eom dayeon
nice to meet you
my major is computer science engineering
day 7 assignment
success
finish
root@qemux86:/home#
```

```
root@qemux86:~# luna-send -n 1 luna://com.domain.app.service/listfiles '{"path":"./test.txt"}'
{"message":"hello\nmy name is eom dayeon\nnice to meet you\nmy major is computer science engineering\nday 7 assignment\nsuccess\nfinish\n","returnValue":true}
root@qemux86:~#
```