FileCloud API - "Hello World" Exercise

"Hello World" for FileCloud is not exactly the program that prints Hello World.

- We will see how to login and authenticate into FileCloud in a default authentication setting.
- These calls are fundamental to understand the XML messages that are used to communicate between the FileCloud server and client.

Authentication is a one step process.

- The *loginguest* command is issued with account name and password.
- When authentication is complete and successful, the FileCloud HTTP server creates a cookie and returns the cookie value to the client through the HTTP header.

7.1 COMMAND: LOGINGUEST

loginguest command accepts the account name and password and attempts to login into the profile. The URL follows the standard format as we discussed above.

> HTTP://HOST:PORT/CORE/OPERATION {? OPTIONAL PARAMS }

When applied for loginguest call, the above URL takes the form.

http://host:port/core/loginguest

The input parameters (see table below) userid and password must be passed as name/value pairs from client to FileCloud HTTP server as a part of HTML body through the HTTP POST method.
From the FileCloud Client, issue an HTTP POST command with the above URL when your FileCloud Development Instance is running.

> When doing HTTP POST please ensure that the content-type is set correctly to "application/x-www-form-urlencoded"
>
> Also, if you are connecting as an agent, additional parameters such as RMC details of the agent might be needed. To avoid that, we recommend spoofing the User-Agent and passing in any web browser User Agent String.

Header Parameter	Value
content-type	application/x-www-form-urlencoded
User-Agent	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36

FileCloud HTTP server will return an XML result in the following format.

```
<commands>
        <command>
                <type>loginguest</type>
                <result>1</result>
                <message> </message>
        </command>
</commands>
```

In the above XML response, RESULT 1 indicates that the profile was logged in successfully. As an additional help, use the FileCloud Logs to follow the communication between your client and FileCloud HTTP server.

Input HTTP, Method: POST

PARAMETER	Required	DATA TYPE	DESCRIPTION

userid	Yes	String	account name
password	Yes	String	Clear Text password

Output

PARAMETER	Description
type	Name of the call. Possible value is "loginguest"
result	Returns 1 if success, 0 is failed. However, a RESULT 0 indicates the loginguest failed. Most likely cause will be password is not correct. password
message	Returns any error message generated in the call. 8 FILECLOUD

7.2 COMMAND: ADMINLOGIN

adminlogin command accepts the admin name and admin password and attempts to login into the admin site. The URL follows the standard format as we discussed above.

HTTP://HOST:PORT/ADMIN/?OP=OPERATION { &OPTIONAL PARAMS }

When applied for adminlogin call, the above URL takes the form.

http://host:port/admin/?op=adminlogin

The input parameters (see table below) op, adminuser and adminpassword must be passed as name/value pairs from client to FileCloud HTTP server as a part of HTML body through the HTTP POST method.
From the FileCloud Client, issue an HTTP POST command with the above URL when your FileCloud Development Instance is running.

When doing HTTP POST please ensure that the content-type is set correctly to "application/x-www-form-urlencoded"

We recommend spoofing the User-Agent and passing in any web browser User Agent String.

Header Parameter	Value
content-type	application/x-www-form-urlencoded
User-Agent	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36

FileCloud HTTP server will return an XML result in the following format.

```
<commands>
        <command>
                <type>adminlogin</type>
                <result>1</result>
                <message> </message>
        </command>
</commands>
```

In the above XML response, RESULT 1 indicates that the profile was logged in successfully. As an additional help, use the FileCloud Logs to follow the communication between your client and FileCloud HTTP server.

Input HTTP, Method: POST

PARAMETER	Required	DATA TYPE	DESCRIPTION
op	Yes	String	Operation
adminuser	Yes	String	Admin user name
adminpassword	Yes	String	Clear Text password

Output

PARAMETER	Description
type	Name of the call. Possible value is "adminlogin"
result	Returns 1 if success, 0 is failed.
	However, a RESULT 0 indicates the adminlogin failed.
message	Returns any error message generated in the call.