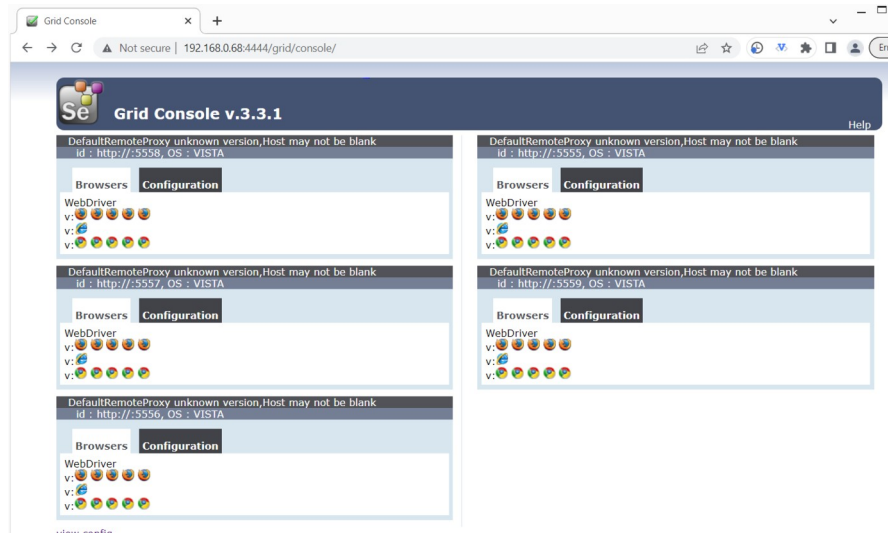
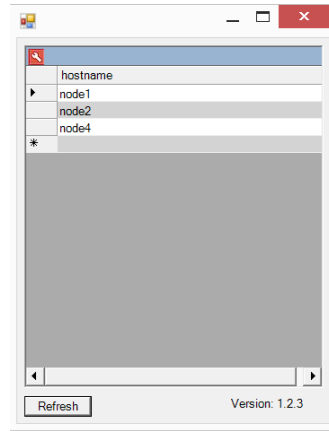
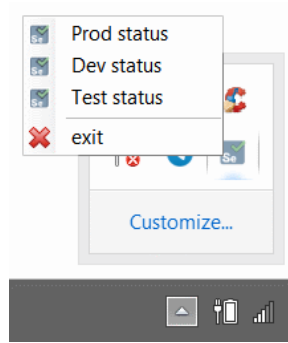


# VDI Health Check Selenium 3x to 4x Migration



```
config.ini - Notepad
File Edit Format View Help
[[Environments]
values=Prod,Dev,Test

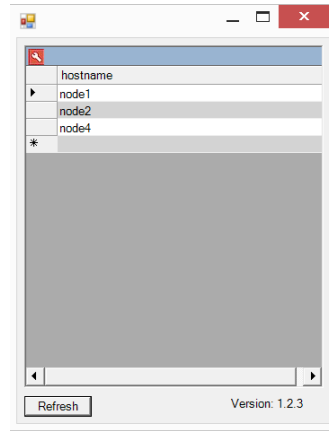
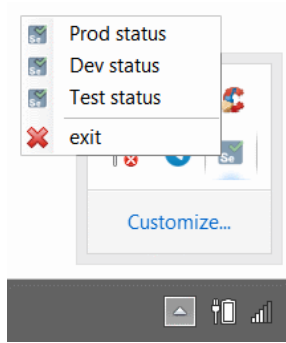
[Prod]
hub=127.0.0.1
nodes=host1,host2,host3,host4,host-1-23
name=host1

[Dev]
hub=127.0.0.1
nodes=SERGUEIK53
name=host2

[Test]
# Selenium 4
# hub=192.168.0.125
# Selenium 3
hub=192.168.0.68
```

HTML Page scraped through  
**System.Windows.Forms.WebBrowser.WebBrowser**

# VDI Health Check Selenium 3x to 4x Migration

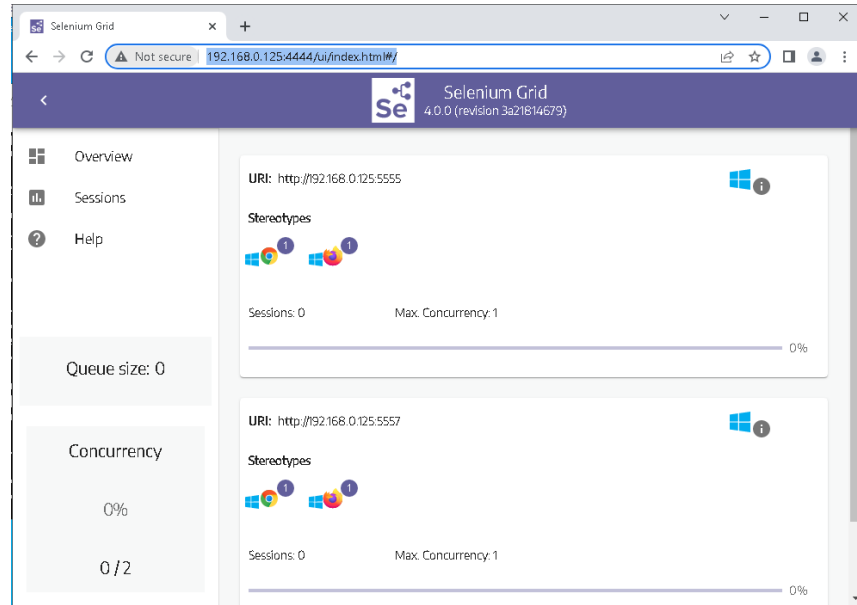


```
config.ini - Notepad
File Edit Format View Help
[[Environments]
values=Prod,Dev,Test

[Prod]
hub=127.0.0.1
nodes=host1,host2,host3,host4,host-1-23
name=host1

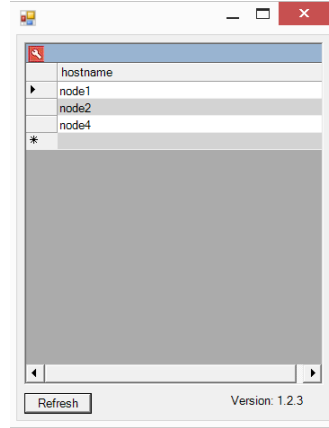
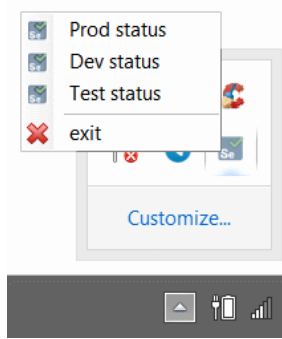
[Dev]
hub=127.0.0.1
nodes=SERGUEIKS3
name=host2

[Test]
# Selenium 4
# hub=192.168.0.125
# Selenium 3
hub=192.168.0.68
```



System.Windows.Forms.WebBrowser.WebBrowser  
*cannot do JQuery*

# VDI Health Check Selenium 3x to 4x Migration



GET <http://192.168.0.68:4444/status>

```
{
  "value": {
    "ready": true,
    "message": "Selenium Grid ready.",
    "nodes": [
      {
        "id": "c0cdd050-8012-49d2-a841-e63d188c4b61",
        "uri": "http://nodes5555",
        "maxSessions": 1,
        "osInfo": {
          "arch": "amd64",
          "name": "Windows 10",
          "version": "10.0"
        },
        "heartbeatPeriod": 60000,
        "availability": "UP",
        "version": "4.0.0 (revision 3a21814679)",
        "slots": [
          {
            "lastStarted": "1970-01-01T00:00:00Z",
            "session": null,
            "id": {
              "hostId": "c0cdd050-8012-49d2-a841-e63d188c4b61",
              "id": "2ac59c0f-9d92-4426-8a4f-2c2edceb416d"
            },
            "stereotype": {
              "browserName": "chrome",
              "platformName": "WIN10"
            }
          },
          {
            "lastStarted": "1970-01-01T00:00:00Z",
            "session": null,
            "id": {
              "hostId": "c0cdd050-8012-49d2-a841-e63d188c4b61",
              "id": "77ed2893-d75d-433c-b37d-552fe306da9c"
            },
            "stereotype": {
              "browserName": "firefox",
              "platformName": "WIN10"
            }
          }
        ]
      }
    ]
  }
}
```

```
config.ini - Notepad
File Edit Format View Help
[[Environments]
values=Prod,Dev,Test

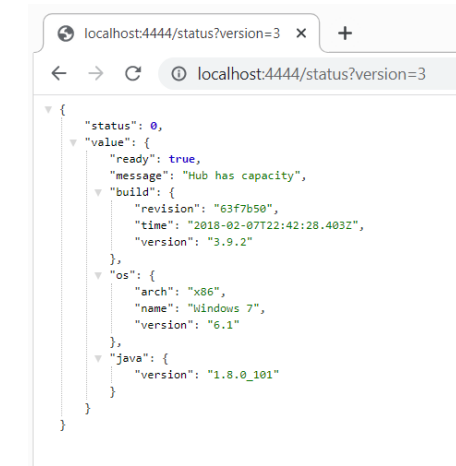
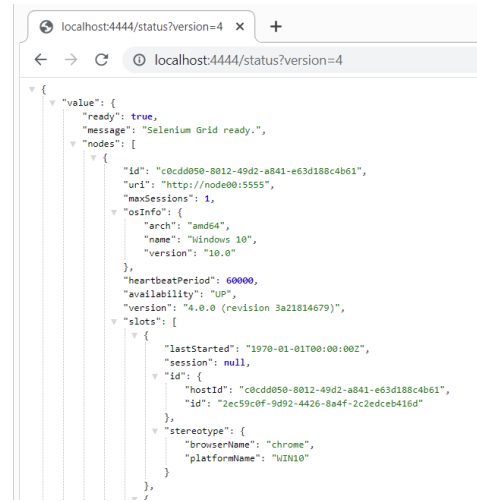
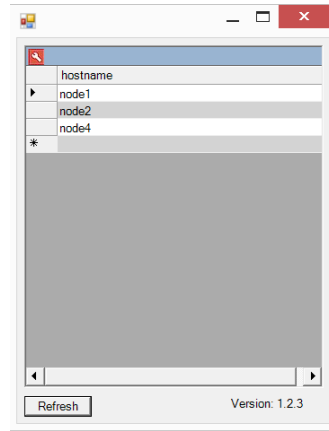
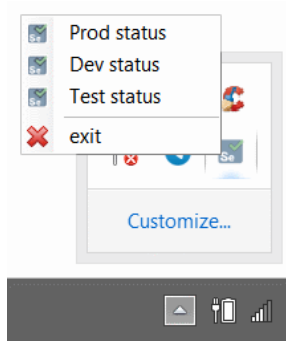
[Prod]
hub=127.0.0.1
nodes=host1,host2,host3,host4,host-1-23
name=host1

[Dev]
hub=127.0.0.1
nodes=SERGUEIKS3
name=host2

[Test]
# Selenium 4
# hub=192.168.0.125
# Selenium 3
hub=192.168.0.68
```

REST calls done through **System.Net.HttpWebRequest**  
JSON serialization through **System.Web.Script.Serialization.JavaScriptSerializer**

# VDI Health Check Selenium 3x to 4x Migration



```
config.ini - Notepad
File Edit Format View Help
[[Environments]
values=Prod,Dev,Test

[Prod]
hub=127.0.0.1
nodes=host1,host2,host3,host4,host-1-23
name=host1

[Dev]
hub=127.0.0.1
nodes=SERGUEIK53
name=host2

[Test]
# Selenium 4
# hub=192.168.0.125
# Selenium 3
hub=192.168.0.68
```

Selenium grid mocks done through  
Java Spring app: running .Net web server on Windows requires  
admin privileges

# VDI Health Check Selenium 3x to 4x Migration

```
localhost:4444/status?version=4
{
  "value": {
    "ready": true,
    "message": "Selenium Grid ready.",
    "nodes": [
      {
        "id": "c0cd0850-8012-49d2-e841-e63d188c4b61",
        "url": "http://node00:5555",
        "maxSessions": 1,
        "osInfo": {
          "arch": "amd64",
          "name": "Windows 10",
          "version": "10.0"
        },
        "heartbeatPeriod": 60000,
        "availability": "Up",
        "version": "4.0.0 (revision 3a21814679)",
        "slots": [
          {
            "lastStarted": "1970-01-01T00:00:00Z",
            "session": null,
            "id": {
              "hostId": "c0cd0850-8012-49d2-e841-e63d188c4b61",
              "id": "2ec59c0f-9d92-4426-8a4f-2c2edceb416d"
            },
            "stereotype": {
              "browserName": "chrome",
              "platformName": "WIN10"
            }
          }
        ]
      }
    ]
  }
}
```

```
localhost:4444/status?version=3
{
  "status": 0,
  "value": {
    "ready": true,
    "message": "Hub has capacity",
    "build": {
      "revision": "63f7b50",
      "time": "2018-02-07T22:42:28.403Z",
      "version": "3.9.2"
    },
    "os": {
      "arch": "x86",
      "name": "Windows 7",
      "version": "6.1"
    },
    "java": {
      "version": "1.8.0_101"
    }
  }
}
```

```
grid-mock
├── src/main/java
│   ├── example
│   │   ├── Application.java
│   │   ├── example.config
│   │   ├── WebConfig.java
│   │   ├── example.controller
│   │   │   ├── ExampleController.java
│   │   ├── example.model.grid3
│   │   │   ├── Build.java
│   │   │   ├── Data.java
│   │   │   ├── Java.java
│   │   │   ├── Os.java
│   │   │   ├── Value.java
│   │   ├── example.model.grid4
│   │   │   ├── Data.java
│   │   │   ├── Id.java
│   │   │   ├── Node.java
│   │   │   ├── OsInfo.java
│   │   │   ├── Slot.java
│   │   │   ├── Stereotype.java
│   │   │   ├── Value.java
│   │   ├── example.service
│   │   │   ├── Grid3Service.java
│   │   │   ├── Grid4Service.java
│   │   ├── example.utils
│   │   │   ├── Utils.java
│   └── src/main/resources
```

Selenium grid mock app internally is operating GridStatus with full cluster detail conveyed through relevant pojo

# VDI Health Check Selenium 3x to 4x Migration

