

Package 'h2oWrapper'

September 16, 2013

R topics documented:

h2oWrapper-package	1
h2o.initCloud	2
h2o.initLocal	2
h2o.startLauncher	3

h2oWrapper-package	<i>Installer for H2O R Package</i>
--------------------	------------------------------------

Description

This wrapper connects to an H2O instance and installs the corresponding R package that allows users to run H2O via its REST API from within R. To communicate, the version of the R package must match the version of H2O, so when connecting to a new H2O cluster, it is necessary to re-run the initializer.

Details

Package:	h2oWrapper
Type:	Package
Version:	1.7.0.99999
Date:	2013-09-13
License:	Apache-2
Depends:	R (>= 2.13.0), RCurl, rjson

First, you must have H2O installed and running on a computer/cluster. See the references for more details. If H2O is running on your local machine, call `h2o.initLocal` with the IP and port that H2O is communicating on. By default, this is <http://localhost:54321>. If H2O is running on the cloud, call `h2o.initCloud` with the IP and port of the remote machine.

Author(s)

Anqi Fu

Maintainer: Anqi Fu <anqi@0xdata.com>

References

- [Oxdata Homepage](#)
- [H2O Documentation](#)
- [H2O on Github](#)

Examples

```
h2o.initLocal()
h2o.initLocal(ip = "localhost", port = 54321)
h2o.initCloud(ip = "192.168.1.164", port = 54321)
```

h2o.initCloud	<i>Connect to Remote H2O Instance</i>
---------------	---------------------------------------

Description

Connects to H2O on remote cloud and installs the appropriate R package for communication.

Usage

```
h2o.initCloud(ip, port)
```

Arguments

ip	Object of class "character" representing the IP address of the H2O server.
port	Object of class "numeric" representing the port number of the H2O server.

Examples

```
h2o.initCloud(ip = "192.168.1.164", port = 54321)
```

h2o.initLocal	<i>Connect to Local H2O Instance</i>
---------------	--------------------------------------

Description

Initializes H2O on local machine and installs the appropriate R package for communication.

Usage

```
h2o.initLocal(ip = "localhost", port = 54321)
```

Arguments

ip	Object of class "character" representing the IP address of the H2O server.
port	Object of class "numeric" representing the port number of the H2O server.

Examples

```
h2o.initLocal()
h2o.initLocal(ip = "127.0.0.1", port = 54321)
```

<code>h2o.startLauncher</code>	<i>Launch H2O GUI</i>
--------------------------------	-----------------------

Description

Launches the H2O graphical user interface from inside R.

Usage

```
h2o.startLauncher()
```

Details

Upon launch, use the graphical user interface to configure the IP, port, and amount of memory to allot H2O. Hit the "Start H2O" button to run the program with the settings. If no errors occur, a browser window will pop up with the H2O start page.

Examples

```
h2o.startLauncher()
```