



mergSocket

mergSocket is an iOS external that provides TCP and UDP (datagram) client and server sockets.

Documentation

OPENING TCP SOCKETS

command `mergSocketOpen` *pHostAndPort*
Open a socket

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name

Sets the result to an error message if there was one

message `mergSocketConnected` *pHostAndPort*
Sent to the control that called `mergSocketOpen`.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name

command `mergSocketAcceptConnections` *pPort*,*[pDatagram]*
Accept connections on a port

Parameters:

- *pPort* - the port to accep connections on
- *pDatagram* - (optional with "false" default) set to true if you want to accept datagrams
 - false
 - true

Sets the result to an error message if there was one

message `mergSocketNewConnection` *pHostAndPort*
Sent to the control that called `mergSocketAcceptConnections`.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name

READING FROM TCP SOCKETS

command `mergSocketRead` *pHostAndPort*,*[pLength]*,*[pTimeout]*
Read from the socket

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pLength* - (optional with 0 default) Read for *pLength* bytes. If 0 is specified then read all available bytes.
- *pTimeout* - (optional with 10 default) A socket timeout

command `mergSocketReadTo` *pHostAndPort*,*pData*,*[pTimeout]*
Read from the socket until specided data is found.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pData* - Read up until and including the data
- *pTimeout* - (optional with 10 default) A socket timeout

message `mergSocketDidReadData` *pHostAndPort*,*pData*
Sent to the control that called `mergSocketAcceptConnections` or `mergSocketOpen` when the read is completed.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pData* - The data read from the socket

message `mergSocketDidReadPartialDataOfLength` *pHostAndPort*,*pLength*
Sent to the control that called `mergSocketAcceptConnections` or `mergSocketOpen` at intervals during a long read.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pLength* - The among of data read from the socket

WRITING TO TCP SOCKETS

command `mergSocketWrite` *pHostAndPort*,*pData*,*[pTimeout]*
Write data to the socket

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pData* - The data to write to the socket
- *pTimeout* - (optional with 10 default) A socket timeout

message `mergSocketDidWriteData` *pHostAndPort*
Sent to the control that called `mergSocketAcceptConnections` or `mergSocketOpen` when the write is completed.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name

message `mergSocketDidWritePartialDataOfLength` *pHostAndPort*,*pLength*
Sent to the control that called `mergSocketAcceptConnections` or `mergSocketOpen` at intervals during a long write.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pLength* - The among of data written to the socket

CLOSING TCP SOCKETS

command `mergSocketClose` *pHostAndPort*
Close the socket

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name

UDP SOCKETS (DATAGRAM)

command `mergSocketSendDatagram` *pHostAndPort*,*pData*,*[pTimeout]*,*[pBroadcast]*
Send a datagram. This single command opens the socket and sends the datagram.

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pData* - The data to send
- *pTimeout* - (optional with 10 default) A socket timeout
- *pBroadcast* - (optional with "false" default) Allow broadcasting
 - false
 - true

message `mergSocketDatagramSent` *pHostAndPort*
Sent to the control that called `mergSocketSendDatagram`

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name

message `mergSocketDatagramNotSent` *pHostAndPort*,*pError*
Sent to the control that called `mergSocketSendDatagram`

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pError* - An error string

message `mergSocketDatagramRecieved` *pHostAndPort*,*pData*
Sent to the control that called `mergSocketAcceptConnections` with the *pDatagram* parameter true

Parameters:

- *pHostAndPort* - An hostname:port string where hostname may be an IP or domain name
- *pData* - The data in the datagram

GENERAL

function `mergSocketListOpen`
List the currently open sockets

Returns returns a list of hostname:port or for accept connections just port

LOGIN

Username

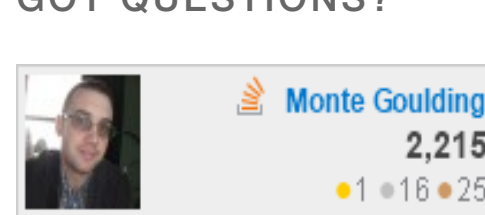
Password

☒ Remember Me

[Register](#)
[Lost Password](#)



GOT QUESTIONS?



USER COMMENTS

"I STRONGLY recommend getting it... it really is an ESSENTIAL tool for iOS development, IMHO..." Ken Ray, Sons of Thunder Software, Inc.

"It is an entire quiver of arrows for iOS development. And it keeps getting better and better." Jim Lambert - VP of Product Engineering at IPPLEX

"Great products and EXCELLENT support!" Charles Wright - President, The Data Company

CONTACT DETAILS

mergExt is developed by
M E R Goulding - Software development services

[Contact Form](#)



NEED HELP?

If you have a technical question then please ask it on [Stack-Overflow](#) with mergExt in the question. This will build up a public knowledge base of mergExt related questions and answers.

If you want to have a general discussion on mergExt then the RunRev forums or listserves are the place to go. This will allow more people in the LiveCode community to be aware of the discussion.

For sales or consulting related questions please use the contact form.