

Remote Access

Service ¶

REMOTE (javadoc/org/arl/unet/Services.html#REMOTE) – Remote access service

Agents offering the *Remote* service provide control over remote nodes. They support a set of messages and parameters that are explained below.

Implementations

- RemoteControl (javadoc/org/arl/unet/remote/RemoteControl.html)

Requests and Responses

Request	Possible Responses	Description
RemoteGetParamReq (javadoc/org/arl/unet/remote/RemoteGetParamReq.html)	AGREE, FAILURE	Request to get parameter(s) from a remote node
RemoteSetParamReq (javadoc/org/arl/unet/remote/RemoteSetParamReq.html)	AGREE, FAILURE	Request to set parameter(s) of a remote node
RemoteScriptReq (javadoc/org/arl/unet/remote/RemoteScriptReq.html)	AGREE, FAILURE	Request to execute a script on a remote node
RemoteTextReq (javadoc/org/arl/unet/remote/RemoteTextReq.html)	AGREE, FAILURE	Request to send text message to remote node
RemoteFilePutReq (javadoc/org/arl/unet/remote/RemoteFilePutReq.html)	AGREE, FAILURE	Request to transfer file to remote node
RemoteFileGetReq (javadoc/org/arl/unet/remote/RemoteFileGetReq.html)	AGREE, FAILURE	Request to retrieve file from remote node
ParameterReq (javadoc/org/arl/unet/ParameterReq.html)	ParameterRsp (javadoc/org/arl/unet/ParameterRsp.html)	Get/set/list local parameters

Notifications

Notification	Topic	Description
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Notification	Topic	Description
RemoteParamNtf (javadoc/org/ar/onet/remote/RemoteParamNtf.html)	default	Notification of remote get/set parameter(s)
RemoteScriptNtf (javadoc/org/ar/onet/remote/RemoteScriptNtf.html)	default	Notification of start of remote script execution
RemoteTextNtf (javadoc/org/ar/onet/remote/RemoteTextNtf.html)	default	Notification of text message from remote node
RemoteFileNtf (javadoc/org/ar/onet/remote/RemoteFileNtf.html)	default	Notification of completion of file transfer from remote node
ParamChangeNtf (javadoc/org/ar/onet/ParamChangeNtf.html)	PARAMCHANGE (javadoc/org/ar/onet/Topics.html#PARAMCHANGE)	Notification about the modified parameter

Parameters

Parameter	r/w	Description
pendingCount (javadoc/org/ar/onet/remote/RemoteParam.html#pendingCount)	rw	Number of pending remote requests
reliability (javadoc/org/ar/onet/remote/RemoteParam.html#reliability)	rw	Reliability setting of remote datagrams