

TOPOLOGY API DOCUMENTATION

API Level Documentation

API.ReadJSON(string file_path)

Read json file and put it into memory

Arguments

string file_path : Enter the file path of the json file

Returns

return string : "Read Operation Succeeded!" in success

return string : "Read Operation Failed!" in fail

API.WriteJSON(string topologyID)

Write topology into json file

Arguments

string topologyID : The id of the topology

Returns

return string : "Write Operation Succeeded!" in success

return string : "Write Operation Failed!" in fail

API.QueryTopologies()

Return all topologies in memory

Arguments

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Return

List<Topology> : list of the topologies in memory

API.DeleteTopology(string topologyID)

Remove specific topology from memroy

Arguments

string topologyID : The id of the topology

Return

return string : "Delete Operation Succeeded!" in success

return string : "Delete Operation Failed!" in fail

API.QueryDevices (string topologyID)

Return components in specific topology

Arguments

string topologyID : The id of the topology

Return

List<Component> : List of Components

API.QueryDevices(**string** TopologyID , string NetlistNodeID)

Which devices are connected to a given netlist node a given topology.

Arguments

string topologyID : The id of the topology

string NetlistNodeID : The id of the devices connected

Return

List<Component> : List of Components

Class Level Documentation

