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#ifndef _EDU_WSU_GRIDSTAT_QOSBROKER_COMMAND_STRUCTS
#define _EDU_WSU_GRIDSTAT_QOSBROKER_COMMAND_STRUCTS

#include "commStructs.idl"

module edu
{
    module wsu
    {
        module gridstat
        {
            module qosBroker
            {
                module command
                {
                    // Holder for an inter-cloud subscription that originate in
                    // this cloud
                    struct SubStartInfo
                    {
                        string srcCloud;
                        string pubName;
                        string variableName;
                        string dstCloud;
                        string dstVertex;
                        short dataType;
                        unsigned long modes;
                        edu::wsu::gridstat::command::QoSSeq subQoS;
                    };

                    // Holder for an inter-cloud subscription that doesn't have
                    // the originate or destination in its cloud
                    // this cloud
                    struct SubMidInfo
                    {
                        string srcCloud;
                        string srcVertex;
                        string dstCloud;
                        string dstVertex;
                        unsigned long variableId;
                        unsigned long pubInterval;
                        unsigned long modes;
                        edu::wsu::gridstat::command::QoSSeq subQoS;
                    };

                    // Holder for an inter-cloud subscription that has its
                    // destination in this cloud
                    struct SubEndInfo
                    {
                        string srcCloud;
                        string srcVertex;
                        string dstCloud;
                        string subscriberName;
                        unsigned long variableId;
                        unsigned long pubInterval;
                        unsigned long modes;
                        edu::wsu::gridstat::command::QoSSeq subQoS;
                    };

                    // List of EventChannelId
                    typedef sequence<edu::wsu::gridstat::command::EventChannelIdInfo, HierConstants::MAX_REDUNDANT_PATHS> SeqEventChannel;

                    // Holder for returning an inter-cloud subscription
                    struct ReturnPathInfo
                    {
                        edu::wsu::gridstat::command::SubscriptionIdInfo pathId;
                        SeqEventChannel eventChannels;
                    };

                    // List of ReturnPath
                    typedef sequence<ReturnPathInfo, HierConstants::MAX_REDUNDANT_PATHS> SeqReturnPaths;
                };
            };
        };
    };
};

#endif // define _EDU_WSU_GRIDSTAT_QOSBROKER_COMMAND_STRUCTS

```