LabSchedulingProxy

The interface specification for Lab Scheduling Servers (LSS).

The following operations are supported. For a formal definition, please review the **Service Description**.

- **AddCredentialSet**
  Add a credential set for a particular group, this may be called multiple times for the same group, only one instance will be created. CredentialSets represent a group of users from a specific ServiceBroker, and the USS that schedules them.

- **AddExperimentInfo**
  Add information for a particular experiment.

- **AddUSSInfo**
  Add information of a particular user side scheduling server. This is called from the ServiceBroker, it may be called many times, duplicate entries are not added to the database

- **ConfirmReservation**
  Returns a string indicating whether a particular reservation from a USS is confirmed and added to the database in LSS successfully.If it fails, a exception will be throw indicating the reason for rejection.

- **ModifyCredentialSet**
  Modify the ServiceBroker's server name for a credential set. This is triggered by a ModifyDomainCredentals that changes parameters for an existing service.

- **ModifyExperimentInfo**
  Modify information of a particular experiment.

- **ModifyUSSInfo**
  Modify information about a registered USS.

- **RedeemReservation**
  Used to redeem the reservation status on LSS,

- **RemoveCredentialSet**
  Remove a credential set of a particular group.

- **RemoveExperimentInfo**
  Remove a particular experiment.

- **RemoveReservation**
  Removes all reservations which intersect the parameters, called from the USS does not require the LSS to notify the USS.

- **RemoveUSSInfo**
  Remove information of a particular user side scheduling server identified by ussGuid.

- **RetrieveAvailableTimePeriods**
  Retrieve an array of available time periods(UTC) for a particular group and particular experiment delimited by a time period. Time periods should be ordered by start time and may contain differing quantums and length.