BatchSBProxy

IBatchSB provides all of the 6.1 batch methods. Many of these methods are passed through the ServiceBroker from client to LabServer or LabServer to Client. All of the ServiceBroker passthrough calls run in the context of a user's ServiceBroker user session, and consequently have session enabled.
There is one Method, Notify(), that is called from the Lab Server directly. This runs outside of the session context.

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

- **Cancel**
  Cancels a previously submitted experiment. If the experiment is already running, makes best efforts to abort execution, but there is no guarantee that the experiment will not run to completion.

- **DeleteClientItem**
  Removes an client item from the user's opaque data store.

- **GetEffectiveQueueLength**
  Checks on the effective queue length of the Lab Server.

- **GetExperimentInformation**
  Retrieves experiment metadata for experiments specified by an array of experiment IDs.

- **GetExperimentStatus**
  Checks on the status of a previously submitted experiment.

- **GetLabConfiguration**
  Gets the lab configuration of a LabServer. The configuration specification returned is in a format specific to that LabServer.

- **GetLabInfo**
  Gets general information about a lab server.

- **GetLabStatus**
  Checks on the status of the lab server.

- **ListAllClientItems**
  Enumerates the names of all client items in the user's opaque data store. The list is specific to the current client in the user's session state.

- **LoadClientItem**
  Returns the value of an client item in the user's opaque data store.

- **Notify**
  Notification from the Lab Server that a previously submitted experiment has terminated.

- **RetrieveAnnotation**
  Retrieves a previously saved experiment annotation.

- **RetrieveLabConfiguration**
  Retrieves a previously saved lab configuration for a particular experiment.

- **RetrieveResult**
  Retrieves the results from (or errors generated by) a previously submitted experiment.

- **RetrieveSpecification**
  Retrieves a previously saved experiment specification. A domain-dependent experiment specification originally created by the Lab Client.

- **SaveAnnotation**
  Saves or modifies an optional user defined annotation to the experiment record.

- **SaveClientItem**
  Sets a client item value in the user's opaque data store.

- **<u>Submit</u>**
  Submits an experiment specification to the lab server for exection.

- **<u>Validate</u>**
  Submits an experiment specification to the lab server for validation.