

ExperimentStorageProxy

The Experiment Storage Service (ESS) provides iLab services and clients the ability to save, access and query experiment results. Experiments are always created by the ServiceBroker, and administrative information is managed by the ServiceBroker.

The following operations are supported. For a formal definition, please review the [Service Description](#).

- [AddAttributes](#)
Adds the specified RecordAttributes to an ExperimentRecord
- [AddBlobToRecord](#)
Associates the BLOB with the specified ExperimentRecord
- [AddRecord](#)
Adds a new ExperimentRecord to a pre-existing Experiment object
- [AddRecords](#)
Adds ExperimentRecords to a pre-existing Experiment object
- [CancelBlobStorage](#)
Cancels the download of binary data associated with a BLOB or deletes the corrupt data of an attempted download
- [CloseExperiment](#)
Closes an Experiment on the ESS so that no further ExperimentRecords or BLOBs can be written to it; BLOBs that have been created for this Experiment but have not been associated with an ExperimentRecord are deleted by this method. Should be called via the ServiceBroker.
- [CreateBlob](#)
Creates a new BLOB record on the ESS
- [DeleteExperiment](#)
Deletes an experiment object and all its associated ExperimentRecords and BLOBs on the ESS
- [DeleteRecordAttributes](#)
Deletes the specified RecordAttributes of an ExperimentRecord
- [GetBlobAssociation](#)
Reports on the association of the BLOB record
- [GetBlobExperiment](#)
Reports the Experiment that owns the BLOB
- [GetBlobStatus](#)
Reports on the download status of the BLOB record
- [GetBlobs](#)
Retrieves the BLOB records associated with a particular ExperimentRecord
- [GetBlobsForRecord](#)
Retrieves the BLOB records associated with a particular ExperimentRecord
- [GetExperiment](#)
Returns the specified Experiment including the array of associated ExperimentRecords
- [GetExperimentIDs](#)
Returns an array of ExperimentIDs from the specified set which match the criterion. Criterion are AND'ed together experiments returned must match all criteria.
- [GetExperimentStatus](#)
Gets the Experiment's status

- [GetIdleTime](#)
Returns the number of minutes since the last "write action" to the Experiment
- [GetRecord](#)
Returns the specified ExperimentRecord
- [GetRecordAttributes](#)
Retrieves the specified RecordAttributes of an ExperimentRecord
- [GetRecordAttributesByName](#)
Retrieves the IDs of the specified RecordAttributes of an ExperimentRecord
- [GetRecords](#)
Returns the specified ExperimentRecords Criterion are OR'ed together records returned match any criteria.
- [GetSupportedBlobExportProtocols](#)
Lists the protocols that a process agent can use to retrieve a BLOB from the ESS
- [GetSupportedBlobImportProtocols](#)
Lists the protocols that the ESS can use to retrieve a BLOB from a source
- [GetSupportedChecksumAlgorithms](#)
Lists the checksum algorithms that a process agent can use to store a BLOB on the ESS
- [OpenExperiment](#)
Opens an Experiment on the ESS so that ExperimentRecords and BLOBs can be written to it. Duration specifies the amount of time (in seconds) before the experiment may be automatically closed. Should be called via the ServiceBroker.
- [RequestBlobAccess](#)
Requests a URL from which the specified BLOB data can be downloaded
- [RequestBlobStorage](#)
- [SetExperimentStatus](#)
Sets the Experiment's status, returns the resulting status. StatusCode should be one of a defined set, depending on the status action may be performed on the experiment.