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Programmers Reference, IExecutionEngine Interface

# IExecutionEngine interface

The reference to this interface is passed to the execute and resume methods. A process can use the methods of this interface to communicate with the **Aware IM** system. The interface has the methods listed below. Note that most methods throw the following exceptions:

| | |
|---|---|
| `ServerTimeOutException` | Thrown if there was a call of the service exposed by a remote service provider, which timed out. |
| `ExecutionException` | Thrown if there was a run-time error. All changes are discarded. |
| `AccessDeniedException` | Thrown if there was violation of the access level. All changes are discarded. |

The first parameter of each method is the process that called the method. When calling methods of IExecutionEngine interface the process component should always pass a reference to "this" as the first parameter to the method call. This parameter is omitted from the description below.

- addReferences (IProcess, String, Long, String, EntityIdAndName [])
- createEntity (IProcess, String)
- createEntityFromTemplate (IProcess, IEntityTemplate, ChangedReference [])
- createNotification (IProcess, String)
- deleteEntities (IProcess, EntityIdAndName [])
- deleteReferences (IProcess, String, Long, String, EntityIdAndName [])
- executeChildProcess (IProcess, String, IEntity [], Boolean)
- executeEntityService (IProcess, String, EntityIdentifier, IEntity [], String, Boolean)
- executeNamedQuery (IProcess, String, Integer, Integer)
- executeQuery (IProcess, Query, Integer, Integer)
- exportEntities (IProcess, IEntity [], String, ExportOptions)
- getAllReferences (IProcess, IEntity, String)
- getBinaryData (IProcess, String, Long, String)
- getEntities (IProcess, EntityIdAndName [])
- getEntity (IProcess, String, Long)
- getExecutionContext (IProcess)
- getObjectReferences (IProcess, IEntity, String)
- importData (IProcess, String, String, Integer, Boolean)
- importRelationships (IProcess, String, String, Integer)
- sendNotification (IProcess, IEntity, INotification, String)
- setBinaryData (IProcess, String, Long, String, byte[])
- updateEntity (IProcess, IEntity, String [], Object [], ChangedReference [])

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