|  |  |  |
| --- | --- | --- |
| AllBONames | Returns a list of all the BOs supported by the PIAPI. These names can be used by CreateChildBOByName to instantiate new BOs. | 88 |
| APIVersion | Returns the highest version of the PIAPI that RPro supports, | 88 |
| Plugin Capability | True if plugin supports ACapability. Typically False. | 89 |
| BOUpdateDataSetRecords | Tells the BO to post all changes to its attributes to the database. | 89 |
| BOSetAttributeValueByName | Given the handle to a BO and the name of an attribute in that BO, this sets an OLEVariant with the value of that attribute. | 90 |
| BOGetAttributeValueByName | Given the handle to a BO and the name of an attribute in that BO, this returns an OLEVariant with the value of that attribute. | 91 |
| BOSetAttributeValues | Given the handle to a BO, an array of names of attributes in that BO, and an array of OLEVariants containing the values for that attribute, sets the attributes to the values specified. | 91 |
| BOGetAttributeValues | Given the handle to a BO and a variant array of names of attributes in that BO, returns an OLEVariant array of OLEVariants containing the values of the attributes. | 92 |
| BOGetAttributeNameList | Gets the attribute names supported by a given BO. | 92 |
| BOGetRepEntityId | Returns the entity ID used in the repository to identify the BO definition. | 92 |
| BOGetState | Returns the State property of the BO specified (browse, insert, edit, etc.) | 93 |
| BOGetInstanceActive | Returns the value of the Active property on the instance dataset. | 93 |
| BOGetActiveDatasetID | Returns the value of the repository dataset identifier. BOs have three possible datasets: the list dataset, the instance dataset, and the lookup dataset. | 94 |
| BOGetReadOnly | Returns the State property of the BO specified. | 94 |
| BOSetReadOnly | Sets the State property of the BO specified to read-only. | 95 |
| BOGetActive | Returns the Active property of the BO specified and indicates that the BO is ready for data operations. | 95 |
| BOSetActive | True performs the same operation as BOOpen. False performs the same as BOClose. | 95 |
| BOGetModified | Returns the Modified property of the BO specified and indicates if attribute values have been modified. | 96 |
| BOGetCommitOnPost | Controls whether a Commit is done on the dataset immediately following a Post. | 97 |
| BOSetCommitOnPost | Sets the BO’s CommitOnPost flag. | 97 |
| BOIsAttributeInList | Returns True if attribute is contained in the BO’s attribute list for displaying a list of records. | 97 |
| BOIsAttributeInInstance | Returns True if attribute is contained in the BO’s attribute list for displaying a frame for editing a single record. | 98 |
| BOClearListIncluded | Clears the list of optional attributes used to construct the list display dataset. | 98 |
| BOClearInstnceIncluded | Clears the instance used to construct the list display dataset. | 99 |
| BOUpdateListCollections | Causes the BO to update its list of attributes. | 99 |
| BOUpdateInstanceCollections | Causes the BO to update its instance collection. | 99 |
| BOUpdateListDataSet | Causes the BO to clear its list of attributes and rebuild it, then, if the list of attributes results in a different SQL statement being selected from the repository, the query is resubmitted. | 100 |
| BOUpdateInstanceDataSet | Same as above, but with the BO’s instance dataset. | 100 |
| BOClose | Closes the BO. | 101 |
| BOOpen | Opens the BO. | 101 |
| BOCloseStandAlone | Causes the BO to close stand-alone applications. | 102 |
| BOEdit | Puts BO into Edit mode. | 102 |
| BOInsert | Puts BO into Insert mode. Calling BOPost will add the attribute’s values to a new record. | 103 |
| BODelete | Attempts to delete the record from the database. | 103 |
| BOPost | Posts the data to the database. | 104 |
| BOPostEx | Post with cancel. | 104 |
| BOCancel | Discards any changes. | 105 |
| BORefresh | Refreshes a BO. | 105 |
| BOFirst | Changes the BO’s position to the first row in the active dataset. | 105 |
| BOLast | Changes the BO’s position to the last row in the active dataset. | 106 |
| BONext | Changes the BO’s position to the next row in the active dataset. | 106 |
| BOPrior | Changes the BO’s position to the next row in the active dataset. | 107 |
| BOCopy | Copies the current row into a new row, | 107 |
| BORollBack | Rolls back the current transaction. | 108 |
| BOF | Returns True if the BO is at the beginning of the result set. | 108 |
| EOF | Returns True if the BO is at the end of the result set. | 108 |
| BOIsEmpty | Returns True if the active dataset has no rows. | 109 |
| BODisableDataSetControls | Disables data set controls. | 109 |
| BOEnableDataSetControls | Enables data set controls. | 110 |
| BOUpdateActiveInstance | Similar to BOUpdateActiveDataSet, but on all datasets used by the BO with the exception of the list dataset and any other datasets marked as “standalone.” | 110 |
| BORefreshRecords | Causes the BO to refresh its list of attributes. | 111 |
| BOPostAllDataSets | Post on all the datasets | 111 |
| BODisableLayoutNotifier | Disables layout notifier. | 112 |
| BOEnableLayoutNotifier | Enables layout notifier. | 112 |
| BOGetPropValById | Gets the properties defined in the repository for the BO’s entity. | 113 |
| BOGetPosition | Sets bookmark. | 113 |
| BOLocatePosition | Positions to bookmark | 114 |
| BOSetTempClosingState | Sets the BO’s temporary closing state. | 114 |
| BOClearTempClosingState | Clears the BO’s temporary closing state. | 115 |
| BORecalculateAttribute | Recalculate the value for the attribute specified, | 115 |
| BOClearActiveFakeValues | Clears active fake values. | 116 |
| BOIsEntity | Compares the BO RepEntityID property with the specified entity ID and returns True if they match. | 116 |
| BOIsEntityArray | Similar to BOIsEntity, | 116 |
| BODisableAccesSecurity | Disables the BO’s access security. | 117 |
| BOEnableAccesSecurity | Enables the BO’s access security. | 118 |
| BODisableSecurity | Disables the BO’s security. | 118 |
| BOEnableSecurity | Enables the BO’s security. | 118 |
| BOFocusAttr | Notify the frame to put the focus on the first edit control for the attribute, | 119 |
| BOIncludeAttrForced | Combination of BOIncludeAttrIntoInstance and BOIncludeAttrIntoList. | 119 |
| BOIncludeAttrIntoInstance | Adds or removes the attribute into the BO attribute Instance list. | 120 |
| BOIncludeAttrIntoList | Adds or removes the attribute into the BO attribute list. | 120 |
| BOLocateByAttributes | Performs a filtered lookup of a record or records | 122 |
| BOSortOrderByDomain | Performs a sort | 122 |
| BOSortOrderByAttribute | Performs a sort | 123 |
| BOSetFilterAttr | Allows filtering of a BO’s dataset by the specified Attribute Name. | 123 |
| BOSetFilter | Allows filtering of a BO’s dataset by the specified Attribute DomainId. | 124 |
| CloneBOHandle | Adds a reference to a BO wrapper to an adapter’s list of BO wrappers and returns a new handle. | 125 |
| Connect | Returns whether or not the plugin is currently connected to the RPro9 database. | 125 |
| ExecSQL | Executes the specified SQL statement | 126 |
| CreateBOByID | Creates a BO and passes back a handle. | 126 |
| CreateBOByName | Same as CreateChildBO, but accepts a name rather than an integer constant. | 127 |
| Disconnect | Disconnects the plug-in database session. | 127 |
| BOGetPref | Retrieves the value of a simple preference. | 128 |
| SBSGetPref | Retrieves the value of a simple subsidiary preference. | 128 |
| GetHandleForRootBO | Will register the root BO with the plugin’s adapter and pass back a new handle for it. | 129 |
| GetReferenceBOForAttribute | In the RPro BO hierarchy, detail BOs or lookup BOs are associated to the master BO via reference attributes. These attributes have no values of their own, and serve solely as links to other BOs. A plugin that requires access to a reference BO can call this method, which will register the BO with the plugin’s adapter, and receive a handle back for that BO. | 129 |
| GetSecurityPermission | Uses the application ID to determine which set of permissions to access, | 130 |
| GetAttrPropVal | Provides a means of exploring the properties for a specific attribute. | 130 |
| GetAttrPropValues | Same | 131 |
| GetBOEntityProperties | Returns an XML string that contains the repository settings for the entity used to describe the BO. | 131 |
| GetBOTypeForEntityId | Converts an entity ID to a BOType. That BOType can be used to open a child BO. | 131 |
| BOCanBeCreated | Returns whether the BO type indicated can be created using CreateBOByXXX . | 132 |
| ChildBOList | Returns a list of all the child BOs | 132 |
| Reference | Can be used with a little typecasting to debug object from the plugin's side of the fence. | 133 |
| Enabled | ??? | 133 |
| Prepared | ??? | 133 |
| DSCreateVendor | Creates a vendor entry in the plugin datastore. | 134 |
| DSModifyVendor | Replaces the unique vendor key on an existing vendor entry. | 134 |
| DSDropVendor | Deletes a vendor from the vendor table. | 134 |
| DSGetVendorSID | Looks up an existing vendor entry | 135 |
| DSCreateDataset | Creates a new virtual dataset, associated with an existing vendor entry, | 135 |
| DSModifyDataset | Replaces the unique dataset name key | 136 |
| DSDropDataset | Deletes a table entry. | 136 |
| DSDeleteDatasetData | Clears out all the data associated with the specified table entry. | 136 |
| DSInsertIndex | Creates an index for an existing data record. | 137 |
| DSModifyIndexLookup | Modifies the lookup values for all the index entries referencing a single data record. | 138 |
| DSModifyIndexReference | Modifies the values used to look up the data | 138 |
| DSDeleteIndex | Deletes a specific index from the indices table. | 139 |
| DSInsertRecord | Inserts the data record, creates a single index entry, and returns the data record’s SID. | 140 |
| DSUpdateRecord | Replaces the data in a data record with the specified value. | 141 |
| DSDeleteRecord | Deletes a record from a virtual dataset | 141 |
| DSGetRecordSidByLookup | Returns the first SID for records within a virtual dataset matching the lookup values. | 142 |
| DSGetRecordSidByCMSReference | Returns the SID of the first record associated with the index entry that contains the specified CMS reference key values. | 142 |
| DSGetRecordBySid | Returns the value of a data record as a result set. | 143 |
| DSGetRecordByLookup | Returns the first record within a virtual dataset matching the lookup values. | 144 |
| DSGetRecordByCMSReference | Returns the first record associated with the index entry | 145 |
| DSGetDatasetSid | Looks up the named dataset for the specified vendor and, if found, returns the SID. | 146 |
| BOPrint | Prints a BO using the optionally supplied doc design. | 146 |