

C++ API Reference

- [API Functions](#)

class QbCallbackList

Description	Class for a list of QbCallback objects.
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[Instance Methods](#)
QbCallbackList::type

Purpose	Returns the list type ID.	
Prototype	virtual QB_INT type()	
Parameters	None	
Result	QB_CALLBACKLIST_PACKID	
Comments		

class QbCommand

Description	Class for storing job query information.
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[Constants](#)

QB_COMMAND_FILTERLIST	1
QB_COMMAND_JOBIDLIST	2
QB_COMMAND_WORKIDLIST	3
QB_COMMAND_GROUPLIST	4
QB_COMMAND_RESTRICTIONS	5

[Instance Methods](#)
QbCommand::type

Purpose	Return type ID of a QbCommand object.	
Prototype	virtual QB_INT type()	
Parameters	None	
Result	QB_COMMAND_PACKID	
Comments		

QbCommand::encode

Purpose	Convert internal data into transmittable binary format.	
Prototype	QB_VOID QbCommand::encode()	
Parameters	None	
Result	None	

Comments		
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QbCommand::decode

Purpose	Converts internal data from transmittable binary format.	
Prototype	QB_VOID QbCommand::decode()	
Parameters	None	
Result	None	
Comments		

QbCommand::copy

Purpose	Copy the contents of a QbCommand object into this object.	
Prototype	QB_VOID QbCommand::copy(const QbCommand& ref)	
Parameters	ref	Pointer to source QbCommand object.
Result	None.	
Comments		

QbCommand::operator=

Purpose	Overload '=' operator to duplicate QbCommand objects.	
Prototype	QbCommand& QbCommand::operator=(const QbCommand& ref)	
Parameters	ref	Pointer to source QbCommand object.
Result	Pointer to this object.	
Comments		

QbCommand::groups

Purpose	Accessor function to retrieve a host groups list.	
Prototype	QbStringList& QbCommand::groups()	
Parameters	None	
Result	Pointer to list of strings containing host group names.	
Comments		

QbCommand::filters

Purpose	Accessor function to return a filter list object.	
Prototype	QbFilterList& QbCommand::filters()	
Parameters	None	
Result	Pointer to a list of QbFilter objects.	
Comments		

QbCommand::jobids

Purpose	Accessor function to return a job ID list object.	
Prototype	QbJobIdList& QbCommand::jobids()	
Parameters	None	
Result	Pointer to list of QbJobId objects.	
Comments		

QbCommand::workids

Purpose	Accessor function to return work ID list object.	
Prototype	QbWorkIdList& QbCommand::workids()	
Parameters	None	
Result	Pointer to list of QbWorkId objects.	
Comments		

QbCommand::restrictions

Purpose	Accessor function to set and retrieve restrictions.	
Prototype	QB_BOOL QbCommand::restrictions()QB_VOID QbCommand::restrictions(QB_BOOL val)	
Parameters	val	Restrictions
Result		
Comments		

class QbHistoryList

Description	Class for a list of QbHistory objects.
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Instance Methods

QbHistoryList::type

Purpose	Returns the list type ID.	
Prototype	virtual QB_INT type()	
Parameters	None	
Result	QB_HISTORYLIST_PACKID	
Comments		

class QbJobList

Description	Class for a list of QbJobs
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Instance Methods

QbJobList::exists

Purpose	Determines if a particular job ID has a corresponding QbJob in the list.	
Prototype	QB_BOOL QbJobList::exists(QB_INT jobid)	

Parameters	jobid	The job's ID number.
Result	QB_TRUE if the job is in the listQB_FALSE otherwise	
Comments		

QbJobList::type

Purpose	Returns the list type ID.	
Prototype	virtual QB_INT type()	
Parameters	None	
Result	QB_JOBLIST_PACKID	
Comments		

class QbLogList

Description	Class for a list of QbLog objects.
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[Instance Methods](#)

QbLogList::type

Purpose	Returns the list type ID.	
Prototype	virtual QB_INT type()	
Parameters	None	
Result	QB_LOGLIST_PACKID	
Comments		

class QbQuery

Description	Class for containing query filters and fields.
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[Constants](#)

QB_QUERY_FILTERLIST	1
QB_QUERY_FIELDSLIST	2

[Instance Methods](#)

QbQuery::type

Purpose	Returns the type ID of a QbQuery object.	
Prototype	virtual QB_INT type()	
Parameters	None	
Result	QB_QUERY_PACKID	
Comments		

QbQuery::encode

Purpose	Convert internal data to transmittable binary format.	
Prototype	QB_VOID QbQuery::encode()	
Parameters	None	
Result	None	
Comments		

QbQuery::decode

Purpose	Convert internal data from transmittable binary format.	
Prototype	QB_VOID QbQuery::decode()	
Parameters	None	
Result	None	
Comments		

QbQuery::copy

Purpose	Copies the contents of a QbQuery object to this object.	
Prototype	QB_VOID QbQuery::copy(const QbQuery& ref)	
Parameters	ref	Pointer to source QbQuery object.
Result	None	
Comments		

QbQuery::operator =

Purpose	Overloads '=' operator to duplicate QbQuery objects.	
Prototype	QbQuery& QbQuery::operator=(const QbQuery& ref)	
Parameters	ref	Pointer to source QbQuery object.
Result	Returns pointer to this object.	
Comments		

QbQuery::filters

Purpose	Accessor function to retrieve query fields.	
Prototype	QbFilterList& QbQuery::filters()	
Parameters	None	
Result	Pointer to a list of query filters.	
Comments		

QbQuery::fields

Purpose	Accessor function to retrieve query fields.	
Prototype	QbFieldList& QbQuery::fields()	

Parameters	None	
Result	Pointer to a list of query fields.	
Comments		