# SHQueryRecycleBin function

Retrieves the size of the Recycle Bin and the number of items in it, for a specified drive.

## Syntax

C++

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HRESULT SHQueryRecycleBin(

\_In\_opt\_  LPCTSTR pszRootPath,

\_Inout\_   LPSHQUERYRBINFO pSHQueryRBInfo

);

**Parameters**

*pszRootPath* [in, optional]

Type: **LPCTSTR**

The address of a **null**-terminated string of maximum length MAX\_PATH to contain the path of the root drive on which the Recycle Bin is located. This parameter can contain the address of a string formatted with the drive, folder, and subfolder names (C:\Windows\System...).

*pSHQueryRBInfo* [in, out]

Type: **LPSHQUERYRBINFO**

The address of a [**SHQUERYRBINFO**](http://msdn.microsoft.com/en-us/library/windows/desktop/bb759803(v=vs.85).aspx) structure that receives the Recycle Bin information. The **cbSize** member of the structure must be set to the size of the structure before calling this API.

**Return value**

Type: **HRESULT**

If this function succeeds, it returns **S\_OK**. Otherwise, it returns an **HRESULT** error code.

# SHQUERYRBINFO structure

Contains the size and item count information retrieved by the [**SHQueryRecycleBin**](http://msdn.microsoft.com/en-us/library/windows/desktop/bb762241(v=vs.85).aspx) function.

## Syntax

C++

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typedef struct {

DWORD   cbSize;

\_\_int64 i64Size;

\_\_int64 i64NumItems;

} SHQUERYRBINFO, \*LPSHQUERYRBINFO;

## Members

**cbSize**

Type: **DWORD**

The size of the structure, in bytes. This member must be filled in prior to calling the function.

**i64Size**

Type: **\_\_int64**

The total size of all the objects in the specified Recycle Bin, in bytes.

**i64NumItems**

Type: **\_\_int64**

The total number of items in the specified Recycle Bin.