

## [MS-SCMR]: Service Control Manager Remote Protocol

This topic lists the Errata found in [MS-SCMR] since it was last published. Since this topic is updated frequently, we recommend that you subscribe to these RSS or Atom feeds to receive update notifications.



Errata are subject to the same terms as the Open Specifications documentation referenced.

Errata below are for Protocol Document Version [V29.0 – 2019/03/13](#).

Errata Published*	Description
2019/08/05	<p>In Section 2.2.23, SC_RPC_NOTIFY_PARAMS, the structure name mentioned in the description for pStatusChangeParams has been changed from PSERVICE_NOTIFY_STATUS_CHANGE_PARAMS_2 to SERVICE_NOTIFY_STATUS_CHANGE_PARAMS_2.</p> <p>Changed from:</p> <p>pStatusChangeParams: A PSERVICE_NOTIFY_STATUS_CHANGE_PARAMS_2 (section 2.2.44) structure that contains the service status notification information.</p> <p>Changed to:</p> <p>pStatusChangeParams: A SERVICE_NOTIFY_STATUS_CHANGE_PARAMS_2 (section 2.2.44) structure that contains the service status notification information.</p> <p>In Section 3.1.4.33, REnumServiceGroupW (Opnum 35), a parameter name has been changed from dwServiceParameter to dwCurrentState.</p> <p>Changed from:</p> <p>...</p> <p>In response to this request from the client, for a successful operation the server MUST determine the list of service records in the SCM database identified by the hSCManager parameter with a ServiceGroup value matching the pszGroupName parameter, determine that their ServiceStatus.dwCurrentState is equal to the state specified by dwServiceParameter, and determine that their Type value is equal to the dwServiceType parameter of the client request. The server MUST return this list by setting the service name and state of each service in this list in the array of ENUM_SERVICE_STATUSW (section 2.2.11) structures pointed to by the lpBuffer parameter and MUST set number of services returned in the lpServicesReturned parameter.</p> <p>...</p> <p>Changed to:</p> <p>...</p> <p>In response to this request from the client, for a successful operation the server MUST determine the list of service records in the SCM database identified by the hSCManager parameter with a ServiceGroup value matching the pszGroupName parameter, determine that their ServiceStatus.dwCurrentState is equal to the state</p>

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	<p>specified by dwCurrentState, and determine that their Type value is equal to the dwServiceType parameter of the client request. The server MUST return this list by setting the service name and state of each service in this list in the array of ENUM_SERVICE_STATUSW (section 2.2.11) structures pointed to by the lpBuffer parameter and MUST set number of services returned in the lpServicesReturned parameter.</p> <p>...</p> <p>In Section 3.1.4.37, RQueryServiceConfig2W (Opnum 39), in the description for hService, a change was made to the name of the parameter mentioned in the description for the SERVICE_CONFIG_PREFERRED_NODE value.</p> <p>Changed from:</p> <p>...</p> <table border="1" data-bbox="516 730 1416 835"> <tr> <td data-bbox="516 730 971 835">SERVICE_CONFIG_PREFERRED_NODE 0x00000009&lt;70&gt;</td> <td data-bbox="971 730 1416 835">The lpInfo parameter is a pointer to a SERVICE_PREFERRED_NODE_INFO structure.&lt;71&gt;</td> </tr> </table> <p>...</p> <p>Changed to:</p> <p>...</p> <table border="1" data-bbox="516 1045 1416 1150"> <tr> <td data-bbox="516 1045 971 1150">SERVICE_CONFIG_PREFERRED_NODE 0x00000009&lt;70&gt;</td> <td data-bbox="971 1045 1416 1150">The lpBuffer parameter is a pointer to a SERVICE_PREFERRED_NODE_INFO structure.&lt;71&gt;</td> </tr> </table> <p>...</p>	SERVICE_CONFIG_PREFERRED_NODE 0x00000009<70>	The lpInfo parameter is a pointer to a SERVICE_PREFERRED_NODE_INFO structure.<71>	SERVICE_CONFIG_PREFERRED_NODE 0x00000009<70>	The lpBuffer parameter is a pointer to a SERVICE_PREFERRED_NODE_INFO structure.<71>
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2019/08/05	<p>In Section 6, Appendix A: Full IDL:</p> <p>Several definitions to the IDL that were not previously included, but are necessary for implementation of the protocol, have been added.</p> <p>The namespace for the type attribute in the XML definition has been changed from "s1" to "tns".</p> <p>Changed from:</p> <p>...</p> <pre data-bbox="548 1581 1380 1892"> typedef struct _SERVICE_TRIGGER_INFO {     [range(0, 64)] DWORD    cTriggers;     [size_is(cTriggers)]     PSERVICE_TRIGGER      pTriggers;     PBYTE                  pReserved; } SERVICE_TRIGGER_INFO, *PSERVICE_TRIGGER_INFO; typedef ULONG SECURITY_INFORMATION, *PSECURITY_INFORMATION;  DWORD RCloseServiceHandle(     [in,out] LPSC_RPC_HANDLE  hSCObject ); ... </pre>				

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	<pre> DWORD RCreateWowService(     [in]          SC_RPC_HANDLE      hSCManager,     [in,string,range(0, SC_MAX_NAME_LENGTH)]                 wchar_t *          lpServiceName,     [in,string,unique,range(0, SC_MAX_NAME_LENGTH)]                 wchar_t *          lpDisplayName,     [in]          DWORD              dwDesiredAccess,     [in]          DWORD              dwServiceType,     [in]          DWORD              dwStartType,     [in]          DWORD              dwErrorControl,     [in,string,range(0, SC_MAX_PATH_LENGTH)]                 wchar_t *          lpBinaryPathName,     [in,string,unique,range(0, SC_MAX_NAME_LENGTH)]                 wchar_t *          lpLoadOrderGroup,     [in,out,unique]                 LPDWORD            lpdwTagId,     [in,unique,size_is(dwDependSize)]                 LPBYTE             lpDependencies,     [in, range (0, SC_MAX_DEPEND_SIZE)]                 DWORD              dwDependSize,     [in,string,unique,range(0, SC_MAX_ACCOUNT_NAME_LENGTH)]                 wchar_t *          lpServiceStartName,     [in,unique,size_is(dwPwSize)]                 LPBYTE             lpPassword,     [in, range(0, SC_MAX_PWD_SIZE)]                 DWORD              dwPwSize,     [in]          USHORT             dwServiceWowType,     [out]         LPSC_RPC_HANDLE    lpServiceHandle ); </pre> <p>...</p> <p><b>Changed to:</b></p> <p>...</p> <pre> typedef struct _SERVICE_TRIGGER_INFO {     [range(0, 64)] DWORD    cTriggers;     [size_is(cTriggers)]     PSERVICE_TRIGGER      pTriggers;     PBYTE                  pReserved; } SERVICE_TRIGGER_INFO, *PSERVICE_TRIGGER_INFO; typedef ULONG SECURITY_INFORMATION, *PSECURITY_INFORMATION;  typedef struct _ENUM_SERVICE_STATUSA {     LPSTR                  lpServiceName;     LPSTR                  lpDisplayName;     SERVICE_STATUS        ServiceStatus; } ENUM_SERVICE_STATUSA, *LPENUM_SERVICE_STATUSA;  typedef struct _ENUM_SERVICE_STATUSW {     LPWSTR                 lpServiceName;     LPWSTR                 lpDisplayName;     SERVICE_STATUS        ServiceStatus; } ENUM_SERVICE_STATUSW, *LPENUM_SERVICE_STATUSW;  typedef struct _ENUM_SERVICE_STATUS_PROCESSA {     LPSTR                  lpServiceName;     LPSTR                  lpDisplayName;     SERVICE_STATUS_PROCESS ServiceStatusProcess; } ENUM_SERVICE_STATUS_PROCESSA, *LPENUM_SERVICE_STATUS_PROCESSA; </pre>

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2019/08/05	<p>In Section 2.2.1, SECURITY_INFORMATION, a definition has been added to the table for LABEL_SECURITY_INFORMATION.</p> <p>Changed from:</p> <table border="1" data-bbox="516 573 1416 1188"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>DACL_SECURITY_INFORMATION 0x00000004</td> <td>If set, the security descriptor MUST include the object's discretionary access control list (DACL). DACL information is specified in [MS-AZOD] section 1.1.1.3.</td> </tr> <tr> <td>GROUP_SECURITY_INFORMATION 0x00000002</td> <td>If set, specifies the security identifier (SID), as defined in [MS-DTYP] section 2.4.2, (LSAPR_SID) of the object's primary group. Primary group information is specified in [MS-DTYP].</td> </tr> <tr> <td>OWNER_SECURITY_INFORMATION 0x00000001</td> <td>If set, specifies the security identifier (SID) (LSAPR_SID) of the object's owner.</td> </tr> <tr> <td>SACL_SECURITY_INFORMATION 0x00000008</td> <td>If set, the security descriptor MUST include the object's system access control list (SACL). SACL information is specified in [MS-AZOD] section 1.1.1.3.</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="516 1297 1416 1854"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>DACL_SECURITY_INFORMATION 0x00000004</td> <td>If set, the security descriptor MUST include the object's discretionary access control list (DACL). DACL information is specified in [MS-AZOD] section 1.1.1.3.</td> </tr> <tr> <td>GROUP_SECURITY_INFORMATION 0x00000002</td> <td>If set, specifies the security identifier (SID), as defined in [MS-DTYP] section 2.4.2, (LSAPR_SID) of the object's primary group. Primary group information is specified in [MS-DTYP].</td> </tr> <tr> <td>OWNER_SECURITY_INFORMATION 0x00000001</td> <td>If set, specifies the security identifier (SID) (LSAPR_SID) of the object's owner.</td> </tr> <tr> <td>SACL_SECURITY_INFORMATION 0x00000008</td> <td>If set, the security descriptor MUST include the object's system access control list (SACL). SACL information</td> </tr> </tbody> </table>	Value	Meaning	DACL_SECURITY_INFORMATION 0x00000004	If set, the security descriptor MUST include the object's discretionary access control list (DACL). DACL information is specified in [MS-AZOD] section 1.1.1.3.	GROUP_SECURITY_INFORMATION 0x00000002	If set, specifies the security identifier (SID), as defined in [MS-DTYP] section 2.4.2, (LSAPR_SID) of the object's primary group. Primary group information is specified in [MS-DTYP].	OWNER_SECURITY_INFORMATION 0x00000001	If set, specifies the security identifier (SID) (LSAPR_SID) of the object's owner.	SACL_SECURITY_INFORMATION 0x00000008	If set, the security descriptor MUST include the object's system access control list (SACL). SACL information is specified in [MS-AZOD] section 1.1.1.3.	Value	Meaning	DACL_SECURITY_INFORMATION 0x00000004	If set, the security descriptor MUST include the object's discretionary access control list (DACL). DACL information is specified in [MS-AZOD] section 1.1.1.3.	GROUP_SECURITY_INFORMATION 0x00000002	If set, specifies the security identifier (SID), as defined in [MS-DTYP] section 2.4.2, (LSAPR_SID) of the object's primary group. Primary group information is specified in [MS-DTYP].	OWNER_SECURITY_INFORMATION 0x00000001	If set, specifies the security identifier (SID) (LSAPR_SID) of the object's owner.	SACL_SECURITY_INFORMATION 0x00000008	If set, the security descriptor MUST include the object's system access control list (SACL). SACL information
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		is specified in [MS-AZOD] section 1.1.1.3.
	LABEL_SECURITY_INFORMATION 0x00000010	If set, specifies the mandatory integrity label. The mandatory integrity label is an ACE in the SACL of the object.

\*Date format: YYYY/MM/DD