

## [MS-DRSR]: Directory Replication Service (DRS) Remote Protocol

This topic lists the Errata found in the MS-DRSR document 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 [V34.0 – 2015/10/16](#).

Errata Published*	Description
2016/01/25	<p>In Section 4.1.27.1.4, DRS_MSG_VERIFYREPLY_V1, updated RequestAttrs to RequiredAttrs in the rpEntInf array definition.</p> <p>Changed from:</p> <p>rpEntInf: An array of ENTINF structures that contain the attributes requested in the RequestAttrs field of the input DRS_MSG_VERIFYREQ_V1 structure if the corresponding name is verified.</p> <p>Changed to:</p> <p>rpEntInf: An array of ENTINF structures that contain the attributes requested in the RequiredAttrs field of the input DRS_MSG_VERIFYREQ_V1 structure if the corresponding name is verified.</p>
2016/01/25	<p>In Section 4.1.10.5.12, ProcessFsmoRoleRequest, updated the use of pMsgIn in the procedure implementation to match the procedure's signature (msgIn: DRS_MSG_GETCHGREQ_V10) and the use of NC to match the pNC member of the DRS_MSG_GETCHGREQ_V10 structure.</p> <p>Changed from:</p> <pre> if(not FullReplicaExists(GetObjectNC(pMsgIn.NC)) and not pMsgIn.pPartialAttrSet = null) msgOut.ulExtendedRet := EXOP_ERR_PARAM_ERR return else if not GetFilteredAttributeSet() ∩ pMsgIn.pPartialAttrSet = {} then </pre> <p>Changed to:</p> <pre> if(not FullReplicaExists(GetObjectNC(msgIn.pNC^)) and not msgIn.pPartialAttrSet = null) msgOut.ulExtendedRet := EXOP_ERR_PARAM_ERR return else if not GetFilteredAttributeSet() ∩ msgIn.pPartialAttrSet = {} then </pre>
2015/11/09	<p>In Section 4.1.18.2 (Server Behavior of the IDL_DRSRemoveDsServer Method), added pseudo code for method CleanupRODCStates to clean up read-only domain controllers in the IDL_DRSRemoveDsServer implementation.</p> <p>Changed from:</p>

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	<pre> ULONG IDL_DRSRemoveDsServer( [in, ref] DRS_HANDLE hDrs, [in] DWORD dwInVersion, [in, ref, switch_is(dwInVersion)]     DRS_MSG_RMSVRREQ *pmsgIn, [out, ref] DWORD *pdwOutVersion, [out, ref, switch_is(*pdwOutVersion)]     DRS_MSG_RMSVRREPLY *pmsgOut);  serverDn: unicodestring domainDn: unicodestring server: DSName ntdsdsa: DSName otherNtdsdsa: DSName spnsToRemove: set of unicodestring computerDn: unicodestring computer: DSName objectsToDelete: set of DSName rt: ULONG ValidateDRSInput(hDrs, 14)  serverDn := pmsgIn^.V1.ServerDN domainDn := pmsgIn^.V1.DomainDN  pdwOutVersion^ := 1 pmsgOut^.V1.fLastDcInDomain = false  /* Basic parameter validation */ if dwInVersion ≠ 1 then     return ERROR_INVALID_PARAMETER endif  if serverDn = null or serverDn = "" then     return ERROR_INVALID_PARAMETER endif  /* Note that DomainDN may be null, but it cannot be empty. */ if domainDn = "" then     return ERROR_INVALID_PARAMETER endif  /* Compute fLastDcInDomain if domainDn is non-null. */ if domainDn ≠ null then     otherNtdsdsa := select one o from subtree ConfigNC() where         (o!objectCategory = nTDSDSA)         and         (domainDn in o!hasMasterNCs or domainDn in o!msDS- hasMasterNCs)         and         (o ≠ ntdsdsa)     if otherNtdsdsa = null then         pmsgOut^.V1.fLastDcInDomain = true     else         pmsgOut^.V1.fLastDcInDomain = false     endif endif  /* If nothing to commit, processing is complete. */ </pre>

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	<pre> if not pmsgIn^.Vl.fCommit then     return 0 endif  ntdsdsa := DescendantObject([dn: serverDn], "CN=NTDS Settings,") if ntdsdsa = null then     return ERROR_DS_CANT_FIND_DSA_OBJ endif  /* Perform the actual DC metadata removal. */  /* Locate the computer object for the DC's account. */ server := ntdsdsa!parent computerDn := server!serverReference computer := null if computerDn ≠ null then     computer := GetDSNameFromDN(computerDn) endif  /* Remove the subtree of objects rooted at the DC's ntdsDsa object.*/  if not AccessCheckObject(ntdsdsa, RIGHT_DS_DELETE_TREE) then     return ERROR_ACCESS_DENIED endif  rt := RemoveObj(ntdsdsa,true) if rt ≠ 0 then     return rt endif  /* If the DC's computer account exists, remove rIDSet objects and * remove the DRS SPNs from the computer object. */  if computer ≠ null then     foreach r in computer!rIDSetReferences         if (not AccessCheckObject(r, RIGHT_DELETE)) and             (not AccessCheckObject(r.parent, RIGHT_DS_DELETE_CHILD)) then             return ERROR_ACCESS_DENIED         endif          RemoveObj(r, false)     endfor      foreach spn in computer!servicePrincipalName         if StartsWith(spn, "ldap/") or             StartsWith(spn, "GC/") or             StartsWith(spn, "E3514235-4B06-11D1-AB04-00C04FC2DCD2/") then             spnsToRemove := spnsToRemove + {spn}         endif     endfor      if not AccessCheckAttr(computer, servicePrincipalName,         RIGHT_DS_WRITE_PROPERTY) then         return ERROR_ACCESS_DENIED     endif </pre>

Errata Published*	Description
	<pre> computer!servicePrincipalName := computer!servicePrincipalName - spnsToRemove endif  return 0 </pre> <p>Changed to:</p> <pre> ULONG IDL_DRSRemoveDsServer( [in, ref] DRS_HANDLE hDrs, [in] DWORD dwInVersion, [in, ref, switch_is(dwInVersion)] DRS_MSG_RMSVRREQ *pmsgIn, [out, ref] DWORD *pdwOutVersion, [out, ref, switch_is(*pdwOutVersion)] DRS_MSG_RMSVRREPLY *pmsgOut);  serverDn: unicodestring domainDn: unicodestring server: DSName ntdsdsa: DSName otherNtdsdsa: DSName spnsToRemove: set of unicodestring computerDn: unicodestring computer: DSName objectsToDelete: set of DSName rt: ULONG RODCKrbtgtAcct: DSName accountList: set of DSName ValidateDRSInput(hDrs, 14)  serverDn := pmsgIn^.V1.ServerDN domainDn := pmsgIn^.V1.DomainDN  pdwOutVersion^ := 1 pmsgOut^.V1.fLastDcInDomain = false  /* Basic parameter validation */ if dwInVersion ≠ 1 then return ERROR_INVALID_PARAMETER endif  if serverDn = null or serverDn = "" then return ERROR_INVALID_PARAMETER endif  /* Note that DomainDN may be null, but it cannot be empty. */ if domainDn = "" then return ERROR_INVALID_PARAMETER endif  /* Compute fLastDcInDomain if domainDn is non-null. */ if domainDn ≠ null then otherNtdsdsa := select one o from subtree ConfigNC() where (o!objectCategory = nTDSDSA) </pre>

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	<pre> and (domainDn in o!hasMasterNCs or domainDn in o!msDS- hasMasterNCs) and (o ≠ ntdsdsa) if otherNtdsdsa = null then pmsgOut^.V1.fLastDcInDomain = true else pmsgOut^.V1.fLastDcInDomain = false endif endif  /* If nothing to commit, processing is complete. */ if not pmsgIn^.V1.fCommit then return 0 endif  ntdsdsa := DescendantObject([dn: serverDn], "CN=NTDS Settings,") if ntdsdsa = null then return ERROR_DS_CANT_FIND_DSA_OBJ endif  /* Perform the actual DC metadata removal. */  /* Locate the computer object for the DC's account. */ server := ntdsdsa!parent computerDn := server!serverReference computer := null if computerDn ≠ null then computer := GetDSNameFromDN(computerDn) endif  /* Remove the subtree of objects rooted at the DC's ntdsDsa object.*/  if not AccessCheckObject(ntdsdsa, RIGHT_DS_DELETE_TREE) then return ERROR_ACCESS_DENIED endif  rt := RemoveObj(ntdsdsa,true) if rt ≠ 0 then return rt endif  /* If the DC's computer account exists, remove rIDSet objects and * remove the DRS SPNs from the computer object. */  if computer ≠ null then foreach r in computer!rIDSetReferences if (not AccessCheckObject(r, RIGHT_DELETE)) and (not AccessCheckObject(r.parent, RIGHT_DS_DELETE_CHILD)) then return ERROR_ACCESS_DENIED endif  RemoveObj(r, false) endfor  foreach spn in computer!servicePrincipalName </pre>

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	<pre>         if StartsWith(sp, "ldap/") or            StartsWith(sp, "GC/") or            StartsWith(sp, "E3514235-4B06-11D1-AB04-00C04FC2DCD2/")     or            StartsWith(sp, "RPC/") then             spnsToRemove := spnsToRemove + {sp}         endif     endfor /* Cleanup for read-only domain controllers */  /* Clear the KrbTgtLink from computer and delete its object */  /* Get the msDS-KrbTgtLink attribute from the object */ RODCKrbtgtAcct := computer!msDS-KrbTgtLink  /* Delete the attribute from the object */ Computer!msDS-KrbTgtLink := null  /* Remove the KrbTgtLink */ RemoveObj(RODCKrbtgtAcct, false)  /* Delete RODC policies */ computer!msDS-NeverRevealGroup := null computer!msDS-RevealOnDemandGroup := null computer!msDS-RevealedUsers := null  /* Delete msDS-AuthenticatedToAccountList links */ accountList := { computer!msDS-AuthenticatedToAccountList }  foreach entry in accountList     entry!msDS-AuthenticatedAtDC := entry!msDS-AuthenticatedAtDC - computer endfor  if not AccessCheckAttr(computer, servicePrincipalName,     RIGHT_DS_WRITE_PROPERTY) then     return ERROR_ACCESS_DENIED endif  computer!servicePrincipalName :=     computer!servicePrincipalName - spnsToRemove endif  return 0 </pre>

\* Date format: YYYY/MM/DD