Data Sync - Slow delete operation

Last updated by | Keith Elmore | Apr 5, 2021 at 7:57 AM PDT

Scenario

A sync group deletion was issued, however, after 20 hours, the group was still not deleted.

Kusto MonManagement showed the delete starting time

	TIMESTAMP	request_id	event	logical_server_name	logical_database_name	sync_group_name	workflow_operation_name
	2017-09-18 21: 57:00.5870000	FF710AD0-D748-4F63-A273-3E0C7C6BDA85	management_workflow_sync_group_start	dm-reporting-w-us-sql-production	DataMasterReporting	DataMasterSync	Delete Sync Group

CMS table Sync_groups showed the operation was on state: WaitingForSyncMembersDropped

sync_group_id	sync_group_name	state
66f61c54-ca9b-4298-8b6b-ccca2fa9d0fb	DataMasterSync	WaitingForSyncMembersDropped
request_id ff710ad0-d748-4f63-a273-3e0c7c6bda85		

MonManagementExceptions showed error and exception:

The remote server returned an error: (500) Internal Server Error

Microsoft.Xdb.Common.FiniteStateMachineUserException: Microsoft Distributed Transaction Coordinator (MS DTC) end transaction acknowledgement failed: Exception of type 'Microsoft.SqlAzureDataSync.ObjectModel.GroupMemberProvisionOrSyncInProgressException' was thrown.. --->
System.ServiceModel.FaultException`1[System.ServiceModel.ExceptionDetail]: Exception of type 'Microsoft.SqlAzureDataSync.ObjectModel.GroupMemberProvisionOrSyncInProgressException' was thrown.Server stack trace:
   at System.ServiceModel.Channels.ServiceChannel.ThrowIfFaultUnderstood(Message reply, MessageFault fault, String action, MessageVersion version, FaultConverter faultConverter)
   at System.ServiceModel.Channels.ServiceChannel.HandleReply(ProxyOperationRuntime operation, ProxyRpc& rpc)
   at System.ServiceModel.Channels.ServiceChannel.Call(String action, Boolean oneway, ProxyOperationRuntime operation, Object[] ins, Object[] outs, TimeSpan timeout)
   at System.ServiceModel.Channels.ServiceChannelProxy.InvokeService(IMethodCallMessage methodCall, ProxyOperationRuntime operation)
   at System.ServiceModel.Channels.ServiceChannelProxy.Invoke(IMessage message)Exception rethrown at [0]:
   at System.Runtime.Remoting.Proxies.RealProxy.HandleReturnMessage(IMessage reqMsg, IMessage retMsg)
   at System.Runtime.Remoting.Proxies.RealProxy.PrivateInvoke(MessageData& msgData, Int32 type)
   at Microsoft.Xdb.NodeAgent.Exports.IActionHelperService.DeleteSyncMember(Guid requestId, SyncMemberOperationActionHelperSpec spec)
   at Microsoft.SqlServer.Management.Service.FiniteStateMachines.SyncMemberStateMachine.<>c__DisplayClass14.<ActionRemoveSyncMemberFromSyncDb>b__12(IActionHelperService na) in d:\dbs\sh\wms3\0914_160432\cmd\9\SQL\xdb\manifest\svc\mgmt\fsm\SyncMemberStateMachine.cs:line 924
   at Microsoft.SqlServer.Management.Service.FiniteStateMachines.BasePhysicalDatabaseStateMachine.<>c__DisplayClassa.<ExecuteOnNodeAgentActionHelperService>b__9(IActionHelperService na) in d:\dbs\sh\wms3\0914_160432\cmd\9\SQL\xdb\manifest\svc\mgmt\fsm\BasePhysicalDatabaseStateMachine.cs:line 220
   at Microsoft.SqlServer.Management.Service.FiniteStateMachines.PhysicalDatabaseStateMachine.ExecuteOnNodeAgentActionHelperService[T](Func`2 func) in d:\dbs\sh\wms3\0914_160432\cmd\9\SQL\xdb\manifest\svc\mgmt\fsm\SqlPhysicalDatabaseStateMachineImpl.cs:line 1212
   at Microsoft.SqlServer.Management.Service.FiniteStateMachines.SyncAccountStateMachine.ExecuteOnSyncDbThroughNodeAgent[T](T spec, Func`2 func) in d:\dbs\sh\wms3\0914_160432\cmd\9\SQL\xdb\manifest\svc\mgmt\fsm\SyncAccountStateMachine.cs:line 356

--- End of inner exception stack trace ---
    at Microsoft.SqlServer.Management.Service.FiniteStateMachines.SyncAccountStateMachine.ExecuteOnSyncDbThroughNodeAgent[T](T spec, Func`2 func) in d:\dbs\sh\wms3\0914_160432\cmd\9\SQL\xdb\manifest\svc\mgmt\fsm\SyncAccountStateMachine.cs:line 361
    at Microsoft.SqlServer.Management.Service.FiniteStateMachines.SyncMemberStateMachine.ActionRemoveSyncMemberFromSyncDb(ActionOutcome& actionOutcome) in d:\dbs\sh\wms3\0914_160432\cmd\9\SQL\xdb\manifest\svc\mgmt\fsm\SyncMemberStateMachine.cs:line 929

The GroupMemberProvisionOrSyncInProgressException indicated that the sync was still in progress when the delete operation was issued. The operation had to wait until the data sync complete, then takes place. Depending on how much data was being synced, it could take some time. This case took 22 hours to delete the group successfully.

How good have you found this content?