Server Trust Groups

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Investigation/Analysis

For public preview, Server Trust Groups will reuse communication link workflows to setup certificates between two instances.

To quickly check if the communication link is setup, look for the InstancePartners fabric property:

Additionally, to check if the certificate for the partner exists, connect to physical master (this can be done through XTS "adhoc query to backend") and run: select name, issuer_name,subject, thumbprint from sys.certificates where name like 'instancepartner%'

name	issuer_name	subject	thumbprint
instancepartner-testcl-primary	InstanceCertificate_a4ad37d1-7a62-48c9-8874-dee8fdf5f1ba	InstanceCertificate_a4ad37d1-7a62-48c9-8874-dee8fdf5f1ba	16 0D 17 C1 70 30 E1 0F 3C 20 B0 84 84 9D B2 91 3B EF 3F 1A

Result Set (1 item)

There are two state machines that you should pay attention to:

- **ManagedServerCommunicationStateMachine** This is a transient state machine which initiates communication link CRUD operations on both the local and the partner side. The up-to-date view is managed_server_communication.

- **ManagedServerCommunicationLinkStateMachine** This is a permanent state machine - it keeps the current state of the communication link. One instance of this FSM exists for both the local and the partner side. Note that CMS view was changed and the up-to-date view is managed_server_communication_links_v2.

To look for all management operations related to communication and comm links, use following CMS query: select top 100 * from management_operations where fully_qualified_operation_type_name like '%ManagedServerComm%'

No specific TSGs for communication link workflows exist so far. The investigation should go in the direction of general MS investigations. MonManagement Kusto table and management_operations CMS view (along with the FSM views from above) should be good starting points.

How good have you found this content?