Network Device Interpretation # 201911rev2

Clarify authentication methods SSH clients can use to authenticate SSH servers

Status:	X Active	☐ Inactive	
	Active	тасиче	
Date: 11-Dec-2019			
End of proposed Transition Period (to be updated after TR2TD process): 11-Dec-2019			
Type of Change:		Minor change	Major change
Type of Document:	☐ Technical Decision	☐ Technical F	Recommendation
Approved by:	Network iTC Interpretation	ns Team 🔀 Network iT	c
Affected Document(s): NDcPPv2.0e, ND SDv2.0; ND cPP v2.1, ND SD v2.1; FWcPPv2.0e, FW SDv2.0e;			
Affected Section(s): FCS_SSHC_EXT.1.9			
Superseded Interpretation(s): RfI#201911(rev1)			
Issue:			
<u>Issue(#778):</u>			
is required, and a list of	ors that the intention is that serve of trusted certification authorities g completion is allowed:	•	•
	nat the SSH client authenticates teach host name with its correspor section 4.1.	•	
•	to allow no authentication (no of drequirement, should "and" be u	· ·	lemented by TOEs. If

Resolution:

The following text shall be modified in the cPP:

<old>

FCS_SSHC_EXT.1.9 The TSF shall ensure that the SSH client authenticates the identity of the SSH server using a local database associating each host name with its corresponding public key or [selection: a list of trusted certification authorities, no other methods] as described in RFC 4251 section 4.1.

Replaced with:

<new>

FCS_SSHC_EXT.1.9 The TSF shall ensure that the SSH client authenticates the identity of the SSH server using a local database associating each host name with its corresponding public key and [selection: a list of trusted certification authorities, no other methods] as described in RFC 4251 section 4.1. </new>

Rationale:

See Issue section.

Change in rev2: Extension to NDcPPv2.0e and ND SDv2.0e as well as FWcPPv2.0e and FW SDv2.0e upon request.

Further Action:

It may make sense to look at making both the local database and CA list optional. The tests should also be reviewed to ensure they are testing what we are expecting and that the "list of CA's" option is adequately tested.

Action by Network iTC:

None