

Security 2.0 and 2.1 Feature Matrix

ID	HLD	Feature	Version	JIRA ASACORE	ORG	CC Date	Interfaces	Contributor	Notes
10	2.3.10	Distribution of policy updates and membership certificates	??	1454	???	UNK			<p>2-25-15: Dino to discuss with team May be more work than time allows -----</p> <p>For core, the implementation is: The PermissionMgmt::InstallEncryptedPolicy still need design decision regarding which key material to use to encrypt the data Option to not encrypt the policy - only sign. Otherwise this may require security manager to be always on. Action: Chris to set up time for Thurs @ 1pm Feb 5 for deeper dive on this item.</p> <p>3/2 MSFT - What entity ensures policies are applied when devices are not on the bus at the time of policy being applied. All acknowledge its a significant concern. Proper design is to have a security manager and a device always running.</p> <p>3/3 Agreed that this is a post 15.08 feature but that the design work begin right away</p>
12	2.3.11.2	Trusted Description	2.0		???	UNK		QEO MSFT	<p>This is done by the Security Manager</p> <p>3/2 MSFT - Unclear what MSFT role is here. Need to address with WG 3/3 Agreed that this is a post 15.08 feature but that the design work begin right away</p>
18	2.4.4	Anonymous session	2.0	1460	QCE	UNK			<p>In the current codes, once the app/device is claimed it requires that any user must provide an identity certificate that it can trust. The app has a number of trust anchors to verify the identity trust. We don't allow an anonymous user to access a claimed app. QEO is okay with this being a post 2.0 feature</p> <p>3/2 - MSFT agrees this is post 2.0 3/3 QEO &amp; MSFT agreed that this is a post 15.08 feature but that the design work begin right away. QCE wants to consider this further.</p>
32	2.6.4	Guild equivalence certificate	2.0	1473	???	UNK			<p>QEO asks if it is worthwhile to have Security 2.0 for 15.04 without this feature. defined. No enforcement codes.</p> <p>3/2 MSFT -- not important for 15.08 because this scenario can be accomplished with existing design. (update ACL for each device or less desirably add bob to guild) 3/3 QEO will clarify the feature and its need.</p>
33	2.6.5	User equivalence certificate	2.0	1474	???	UNK			<p>2-26-15: Assumes 3 days design @ 2 engineers</p> <p>3/2 MSFT - Problem = devices are claimed by a single person. This feature allows device owner to assign equivalent owner. P2 but more important than guild equivalence 3/3 QCE to write up the value the feature provides</p>
40	3.1	Crypto Agility Exchange	??	1479	???	UNK			<p>2-15-15: Put hooks in to support negotiating AES encryption modes</p> <p>3/2 MSFT - We care deeply about this however it's unclear whether this design meets that goal. If not for 15.08, need a non-breaking mechanism to support this in the future 3/3 Agreed this needs more design thinking</p>

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50	??	Packet Header Encryption	2.0	1430	MSFT	UNK			2-25-15: May change based on crypto feedback Felix has unanswered questions for this posed to the WG. P1 for Microsoft. Do this at the same time as 2.0 implementation.  3/2 MSFT - There are 2 proposals. QC and MSFT... Need to address and close on single proposal and get it added to HLD. 3/3 Action QCE to set up meeting to discuss with MSFT
51	??	Default Authlistener	2.0	1524	???	UNK			3/2 MSFT - Please define this design and share with WG. Not specific to 2.0 3/3 QEO will submit the proposal
52	??	Support for signing keys and communication keys	2.0	1409	QCE/QEO	UNK			2-25-15: Requires design - dependent on use cases from QEO QCE will lead design once use cases are documented - next steps determined once design is complete May move out depending on design decisions QEO to document use cases  3/2 MSFT - Critical for Security Manager functionality - Needs to be documented. MSFT believes this is a P1 3/3 QEO sent proposal to core mail list. MSFT will review and comment.
53	??	IRB Suggestions	2.0	1566	QCE	UNK			3/2 MSFT - MSFT supports this effort