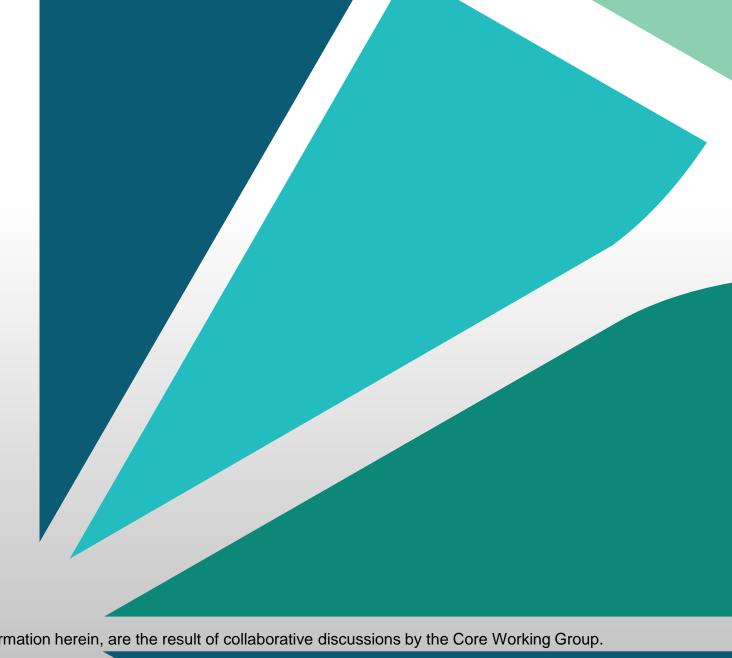


Core Working Group: Security 2.0

June 29, 2015



The contents of this document, and the interfaces described, and all the information herein, are the result of collaborative discussions by the Core Working Group. This summary documents the final consensus of the team.



Reminder:

This call is being recorded

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Agenda

- 1. Schedule
- 2. Bindings
- 3. Triage
- 4. Open issues
- 5. Action items

Schedule

Schedule (1/3)

- Dashboard: https://jira.allseenalliance.org/secure/Dashboard.jspa?selectPageId=10903
- Milestones
 - Merged with master July 24 (4 weeks from now)
 - All feature testing complete
 - Only regression testing remains after this milestone
 - 15.08 release August 28

Schedule (2/3)

- Test
 - Core
 - <u>Test plan</u> written and test cases defined
 - Approved by project team on 6/25/15
 - Writing unit tests has begun
 - SC: https://jira.allseenalliance.org/browse/ASACORE-2081
 - TC: https://jira.allseenalliance.org/browse/ASACORE-2080
 - Security Manager
 - QEO
 - Identified test cases covered by security manager testing
 - Working implementation by July 3
 - » This will be considered "end to end" testing
 - MSFT will port the QEO sample to windows
 - ASACORE-1401

Schedule (3/3) Test Case Coverage

Section	SC Tests	TC Tests	SC Unit Tests Written	TC Unit Tests Written	Passed	Failed
State notification	9	9	2 QCE, 2 QEO	0	1	1
Claim	21	21	14	0	11	3
Authentication	5	5	0	0		
ACL	20	20	0	0		
Default Policy	9	9	0	0		
Rules	40	40	10	0	5	5
Rules-Wildcard	8	8	0	0		
Management	27	27	4 QEO	0		
Others	16	16	0	0		
Total	155	155	32	0	17	9

Bindings

Bindings

- Core implementation
 - SC: C++
 - Gavin (MSFT) to verify internally if they will handle the C binding for Sec 2
 - Will have an update by Thursday's Core WG call
 - TC: C



Triage

- Review unassigned tickets
- https://jira.allseenalliance.org/issues/?filter=11142

Discussion

Discussion

- HLD Update: Certificate and certificate chain validation
 - Certificate chains will be validated per RFC5280 with the following additions and limitations:
 - Time of validity will only be evaluated if the peer has a time source.
 - The certificate type (Allseen Security Group and Allseen Identity) of the leaf certificate is correctly set per use case.
 - Certificates n -1 (immediate parent of the leaf certificate) up to certificate 1 certificate type is validated to be the same as the previous certificate in the chain or null
 - The associated digest of certificate n (leaf certificate) is validated against the digest of the manifest.
 - The AKI is validated to not be null
 - CRL check is not implemented as there is no CRL
 - We will validate an identity certificate chain when
 - When a peer receives a certificate chain during claiming
 - When a peer receives a certificate chain update
 - When a peer receives a certificate chain during ECDH_DSA authentication
 - Notes:
 - Standard client assumes the HLOS provided time is a time source suitable for validating certificate time of validity.
 - basicConstraints::pathLenConstraint will not be validated



Action Items

Action Items

Monday call



Thank You

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