
PKI Resources Query Protocol Status Update

Massimiliano Pala <pala@cs.dartmouth.edu>
OpenCA Project Manager <project.manager@openca.org>

Outline

- Document Updates
 - **Editorial Changes**

- Current Activities
 - **Deployment of PRQP in TACAR**
 - **Federal Bridge PKI**
 - **OpenCA**

- Future Plans for PRQP
 - **Move to Sandard track (?)**

PRQP & Document Status

- Last published version -02
- Recent Document Activities
 - **IANA section**
- Discussion about Appendix B
 - DHCP and DHCPv6
 - DNS SRV records

Document Updates

- No updates to Data Structures
- No requests for new OID for services
- Appendix B – Reviewed by DHC WG
 - **DHCP and DHCPv6 – positive feedback**

DHCP Options

- Defined in Appendix B
- Section B.1.1
 - **Option for DHCP**
- Section B.1.2
 - **Option for DHCPv6**
- Section B.1.3
 - **DHCP server configuration**
- Section B.1.4
 - **DHCP client processing**

DHCP Options & IANA

- Two DHCP options are to be defined by IANA
 - **One for DHCP**
 - **One for DHCPv6**
- No Early allocation is possible because the document is not on standard track
- Need to update the IANA Consideration
 - **“IANA has assigned a value of TBD1 for the DHCP option code described in Section B.1.1 of this document.”**
 - **“IANA has assigned a value of TBD2 for the DHCP option code described in Section B.1.1 of this document.”**
- As the only change to the -03 version will be in the IANA Consideration we might decide not to go through a WG Last Call

DNS SRV Records

- Defined in Appendix B
- Section B.2.1
 - **Definition of SRV Records syntax**
- Section B.2.2
 - **Example Zone configuration file**
- Current Status
 - **Positive feedback**
 - **No other actions required**

PRQP Deployment Activities

PRQP Deployment for TACAR

- TACAR Project
 - **trusted repository of CA certificates and Certificate Practice Statements**
 - **Participating Bodies**
 - EuGridPMA, IGTF, EduGain, Others
 - **50+ Certification Authorities**
- PRQP Deployment for TACAR CAs
 - **Dartmouth College will run a Trusted RQA**
- Current Deployment agenda delayed
 - **Integration of the Administrative Interface development on TACAR side delayed till April**

PRQP Deployment for FBCA

- Federal Bridge CA
 - **15+ Cas**
 - **HEBCA (REBCA)**
- Interest in deploying PRQP
 - **Deploying a test environment for evaluation purposes**
- Interest from one large Commercial CA

PRQP Deployment in OpenCA

- Open Source Certification Authority
 - **Quite used in Academic and Grids**
 - **Last version 6000+ Downloads from the main website (no stats from mirrors)**
- Integration of PRQP in future versions of OpenCA
 - **Next Scheduled Release June 2009**

Conclusions

- Experimental deployment is happening in different environments
- Draft reached a stable stage
- All raised issues have been addressed
- Future for PRQP
 - **New draft -03 with IANA changes**
 - **WG Last Call (?)**
- Then...
 - **Standard Track (?)**
 - **Timeline (?)**

Questions & Contacts

- Email Contacts
pala@cs.dartmouth.edu
project.manager@openca.org
- FBCA
<http://www.cio.gov/fpkia/>
- TACAR project
<http://www.tacar.org>
- Website
<http://www.openca.org/projects/prqpd>
<http://www.openca.org/wiki/>

