Update to the Object Identifier Registry for the PKIX Working Group

Abstract

RFC 7299 describes the object identifiers that were assigned by the
Public Key Infrastructure using X.509 (PKIX) Working Group in an arc
that was allocated by IANA (1.3.6.1.5.5.7). A small number of object
identifiers that were assigned in RFC 4212 are omitted from RFC 7299,
and this document updates RFC 7299 to correct that oversight.

Status of This Memo

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1. Introduction

   When the Public Key Infrastructure using X.509 (PKIX) Working Group
   was chartered, an object identifier arc was allocated by IANA for use
   by that working group. After the PKIX Working Group was closed, RFC
   7299 [RFC7299] was published to describe the object identifiers that
   were assigned in that arc. A small number of object identifiers that
   were assigned in RFC 4212 [RFC4212] are not included in RFC 7299, and
   this document corrects that oversight.

   The PKIX Certificate Management Protocol (CMP) [RFC4210] allocated
   id-regCtrl-altCertTemplate (1.3.6.1.5.5.7.5.1.7), and then two object
   identifiers were assigned within that arc [RFC4212], which were
   intended to be used with either PKIX CMP [RFC4210] or PKIX
   Certificate Management over CMS (CMC) [RFC5272] [RFC5273] [RFC5274]
   [RFC6402].

   This document describes the object identifiers that were assigned in
   that arc, establishes an IANA registry for that arc, and establishes
   IANA allocation policies for any future assignments within that arc.

2. IANA Considerations

   IANA has created a new subregistry.

2.1. "SMI Security for PKIX CRMF Registration Controls for Alternate Certificate Formats" Registry

   Within the "Structure of Management Information (SMI) Numbers (MIB
   Module Registrations)" registry, IANA has created the "SMI Security
   for PKIX CRMF Registration Controls for Alternate Certificate
   Formats" subregistry (1.3.6.1.5.5.7.5.1.7). The initial contents of
   this subregistry are as follows:

Decimal	Description	References
=========	=========================	============
1	id-acTemplate	[RFC4212]
2	id-openPGPCertTemplateExt	[RFC4212]

                     Table 1: New SMI Security for PKIX CRMF
                  Registration Controls for Alternate Certificate
                             Formats Subregistry

   Future updates to the registry table are to be made according to the
   Specification Required policy defined in [RFC8126]. The expert is
   expected to ensure that any new values are strongly related to the
   work that was done by the PKIX Working Group. In particular,
   additional object identifiers should be needed for use with either
   the PKIX CMP or PKIX CMC to support alternative certificate formats.

Object identifiers for other purposes should not be assigned in this
   arc.

3. Security Considerations

   This document populates an IANA registry, and it raises no new
   security considerations. The protocols that specify these values
   include the security considerations associated with their usage.

4. References

4.1. Normative References

   [RFC7299] Housley, R., "Object Identifier Registry for the PKIX
              Working Group", RFC 7299, DOI 10.17487/RFC7299, July 2014,
              <https://www.rfc-editor.org/info/rfc7299>.

   [RFC8126] Cotton, M., Leiba, B., and T. Narten, "Guidelines for
              Writing an IANA Considerations Section in RFCs", BCP 26,
              RFC 8126, DOI 10.17487/RFC8126, June 2017,
              <https://www.rfc-editor.org/info/rfc8126>.

4.2. Informative References

   [RFC4210] Adams, C., Farrell, S., Kause, T., and T. Mononen,
              "Internet X.509 Public Key Infrastructure Certificate
              Management Protocol (CMP)", RFC 4210,
              DOI 10.17487/RFC4210, September 2005,
              <https://www.rfc-editor.org/info/rfc4210>.

   [RFC4212] Blinov, M. and C. Adams, "Alternative Certificate Formats
              for the Public-Key Infrastructure Using X.509 (PKIX)
              Certificate Management Protocols", RFC 4212,
              DOI 10.17487/RFC4212, October 2005,
              <https://www.rfc-editor.org/info/rfc4212>.

   [RFC5272] Schaad, J. and M. Myers, "Certificate Management over CMS
              (CMC)", RFC 5272, DOI 10.17487/RFC5272, June 2008,
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   [RFC5273] Schaad, J. and M. Myers, "Certificate Management over CMS
              (CMC): Transport Protocols", RFC 5273,
              DOI 10.17487/RFC5273, June 2008,
              <https://www.rfc-editor.org/info/rfc5273>.

   [RFC5274] Schaad, J. and M. Myers, "Certificate Management Messages
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              <https://www.rfc-editor.org/info/rfc5274>.

   [RFC6402] Schaad, J., "Certificate Management over CMS (CMC)
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              <https://www.rfc-editor.org/info/rfc6402>.

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