

Network Working Group
Internet-Draft
Intended status: Standards Track
Expires: April 19, 2016

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October 17, 2015

URN Namespace for MEF Documents
draft-mahesh-mef-urn-00

Abstract

This document describes the Namespace Identifier (NID) 'mef' for Uniform Resource Names (URNs) used to identify resources published by MEF Forum (MEF). MEF specifies and manages resources that utilize this URN identification model. Management activities for these and other resources types are handled by the manager of the MEF Assigned Names and Numbers (MANN) registry.

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1. Introduction

The MEF Forum (MEF), is a nonprofit international industry standards organization, dedicated to the worldwide adoption of Carrier Ethernet (CE) networks and services. The forum creates specifications in the area of Services, Architecture, Operations and Management.

As part of these specifications efforts, there is a need to identify identifiers in a managed namespace that are unique and persistent. To ensure that this namespace's uniqueness is absolute, a registration of a specific Unified Resource Name (URN) URN Syntax [[RFC2141](#)] Namespace Identifier (NID) for use by MEF is being specified in this document, in full conformance with the NID registration process specified in URN Namespace Definition Mechanism [[RFC3406](#)].

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in Key words for use in RFCs to Indicate Requirement Levels [[RFC2119](#)].

1.1. Terminology

Acronym	Meaning
CE	Carrier Ethernet
MANN	MEF Assigned Names and Numbers
MEF	MEF Forum
NID	Namespace Identifier
NSS	Namespace Specific String
RDS	Resolution Discovery System
URN	Uniform Resource Name

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[2.](#) URN Specification for MEF

Namespace ID:

mef

Registration information:

registration version number: 1

registration date: 2015-10-17

Declared registrant of the namespace:

Registering organization

Name: MEF Forum

Address: 6033 W. Century Boulevard, Suite 1107 Los Angeles CA
90045 USA

Designated contact:

Role: Manager, MEF Namespace

Email: namespace@mef.net

Declaration of syntactic structure:

The Namespace Specific String (NSS) of all URNs that use the MEF NID will be maintained by MEF Assigned Names and Numbers (MANN) registry.

Relevant ancillary documentation:

MEF publishes information regarding the registered resources in the MEF Assigned Names and Numbers (MANN) registry.

Identifier uniqueness considerations:

MEF will manage resource classes using the "mef" NID and will be the authority for managing resources and associated subsequent strings. MEF is expected to guarantee the uniqueness of the

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strings themselves, or it may permit secondary responsibility for certain defined resources.

MEF could allow for use of experimental type values for testing purposes only. Note that using experimental types may create collision as multiple users may use the same values for resources and specific strings.

Identifier persistence considerations:

MEF will update the MEF Assigned Names and Numbers (MANN) registry to document the registered resources that will use the "mef" NID.

Process of identifier assignment:

Assignment of a URN from the MEF namespace will be documented as part of the MEF Assigned Names and Numbers (MANN) registry.

Process of identifier resolution:

The namespace is not listed with an Resolution Discovery System (RDS). Therefore this process is not relevant.

Rules for Lexical Equivalence:

The entire URN is case-insensitive.

Conformance with URN Syntax:

No special considerations

Validation mechanism:

None specified. URN assignment will be handled by procedures implemented in support of MEF activities.

Scope:

Global

[3.](#) Examples

The following are examples of URNs that a resolver for this namespace can resolve:

urn:mef:params:xml:ns:yang:mef-services

urn:mef:params:xml:ns:yang:mef-interfaces

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[4.](#) Security Considerations

There are no additional security considerations other than those normally associated with the use and resolution of URNs in general, which are described in Function Requirements for URN [[RFC1737](#)], URN Syntax [[RFC2141](#)], and URN Namespace Definition Mechanism [[RFC3406](#)].

[5.](#) IANA Considerations

This document adds a new entry ("mef") in the urn-namespace registry. This is the defining document. When published, the entry can be found in the "Uniform Resource Names (URN) Namespaces" registry available from the IANA site (<http://www.iana.org>) and any associated mirrors.

[6.](#) References

[6.1.](#) Normative References

- [RFC1737] Sollins, K. and L. Masinter, "Functional Requirements for Uniform Resource Names", [RFC 1737](#), DOI 10.17487/RFC1737, December 1994, <<http://www.rfc-editor.org/info/rfc1737>>.

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), DOI 10.17487/RFC2119, March 1997, <<http://www.rfc-editor.org/info/rfc2119>>.
- [RFC2141] Moats, R., "URN Syntax", [RFC 2141](#), DOI 10.17487/RFC2141, May 1997, <<http://www.rfc-editor.org/info/rfc2141>>.
- [RFC3406] Daigle, L., van Gulik, D., Iannella, R., and P. Faltstrom, "Uniform Resource Names (URN) Namespace Definition Mechanisms", [BCP 66](#), [RFC 3406](#), DOI 10.17487/RFC3406, October 2002, <<http://www.rfc-editor.org/info/rfc3406>>.
- [RFC6020] Bjorklund, M., Ed., "YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF)", [RFC 6020](#), DOI 10.17487/RFC6020, October 2010, <<http://www.rfc-editor.org/info/rfc6020>>.

[6.2.](#) Informative References

- [RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an IANA Considerations Section in RFCs", [BCP 26](#), [RFC 5226](#), DOI 10.17487/RFC5226, May 2008, <<http://www.rfc-editor.org/info/rfc5226>>.

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