OSPFv3 Instance ID Registry Update
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Abstract

This document modifies the "Unassigned" number space in the IANA
"OSPFv3 Instance ID Address Family Values" registry.

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# Table of Contents

1. Introduction .................................................. 3  
2. Requirements Language ........................................ 3  
3. OSPFv3 Instance ID Address Family Values Registry Update ........................................ 3  
4. IANA Considerations ............................................ 3  
5. Security Considerations ......................................... 4  
6. Acknowledgements ............................................... 4  
7. References ...................................................... 4  
   7.1. Normative References ......................................... 4  
   7.2. Informative References ....................................... 4  
Authors’ Addresses .................................................. 4
1. Introduction

[RFC5838] defined the "OSPFv3 Instance ID Address Family Values" registry for the purpose of mapping OSPFv3 Instance IDs to different address families. The following table lists the value ranges as currently allocated.

<table>
<thead>
<tr>
<th>Instance ID Range</th>
<th>Description</th>
<th>Assignment Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instance ID # 0 - # 31</td>
<td>IPv6 unicast AF</td>
<td>Already Assigned</td>
</tr>
<tr>
<td>Instance ID # 32 - # 63</td>
<td>IPv6 multicast AF</td>
<td>Already Assigned</td>
</tr>
<tr>
<td>Instance ID # 64 - # 95</td>
<td>IPv4 unicast AF</td>
<td>Already Assigned</td>
</tr>
<tr>
<td>Instance ID # 96 - # 127</td>
<td>IPv4 multicast AF</td>
<td>Already Assigned</td>
</tr>
<tr>
<td>Instance ID # 128 - # 255</td>
<td>Unassigned</td>
<td>Standards Action</td>
</tr>
</tbody>
</table>

In some networks additional OSPFv3 instances may be required to operationally identify specific applications.

2. Requirements Language

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 [RFC2119].

3. OSPFv3 Instance ID Address Family Values Registry Update

The IANA "OSPFv3 Instance ID Address Family Values" registry MUST be updated as follows:

<table>
<thead>
<tr>
<th>Instance ID Range</th>
<th>Description</th>
<th>Assignment Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instance ID # 128 - # 191</td>
<td>Unassigned</td>
<td>Standards Action</td>
</tr>
<tr>
<td>Instance ID # 192 - # 255</td>
<td>Unassigned</td>
<td>Private Use [RFC5226]</td>
</tr>
</tbody>
</table>

4. IANA Considerations

This document requests the modification of the "OSPFv3 Instance ID Address Family Values" registry as described in Section 3.
5. Security Considerations

This document modifies the assignment policy of an IANA registry defined in [RFC5838]. It does not introduce any new security issues.

6. Acknowledgements

Many thanks to Acee Lindem and Stewart Bryant for their input.

7. References

7.1. Normative References


7.2. Informative References


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