

INTERNET-DRAFT

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RFC3065bis Implementation Report
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Abstract

This document provides an implementation report for Autonomous System Confederations for BGP as defined in [draft-ietf-idr-rfc3065bis-05.txt](#).

The editor did not verify the accuracy of the information provided by respondents or by any alternative means. The respondents are experts with the implementations they reported on, and their responses are considered authoritative for the implementations for which their responses represent.

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1. Introduction

Autonomous System Confederations for BGP describes an extension to BGP which may be used to create a confederation of autonomous systems that is represented as a single autonomous system to BGP peers external to the confederation, thereby removing the "full mesh" requirement inherent to BGP. The intention of this extension is to aid in policy administration and reduce the management complexity of maintaining a large autonomous system.

This document provides an implementation report for Autonomous System Confederations for BGP as defined in [draft-ietf-idr-rfc3065bis-05.txt](#).

The editor did not verify the accuracy of the information provided by respondents or by any alternative means. The respondents are experts with the implementations they reported on, and their responses are considered authoritative for the implementations for which their responses represent.

2. Implementation Forms

Contact and implementation information for person filling out this form:

Name: Arijit "Ory" Sarcar
Email: Arijit.Sarcar@alcatel.com
Vendor: ALCATEL
Release: TiMOS 3.0 or greater

Name: Robert Raszuk
Email: raszuk@cisco.com
Vendor: Cisco Systems Inc
Release: IOS and IOS-XR

Name: Manish Vora
Email: Manish.Vora@ecitele.com
Vendor: ECI Telecom (formerly Laurel Networks)
Release: Shadetree 3.2

2.1. Operations Compliance

Does your implementation follow the procedures outlined in the Operation Section of [RFC3065bis]?

ALCATEL: YES
Cisco: YES
ECI: YES

2.2. AS_CONFED Segment Types and AS_PATH Handling

Does your implementation recognize the two AS_CONFED Segment Types (AS_CONFED_SET and AS_CONFED_SEQUENCE) defined in [RFC3065bis]?

ALCATEL: YES
Cisco: YES
ECI: YES

Does your implementation use it's Member-AS number in all transactions with peers that are members of the same BGP confederation as the local speaker?

ALCATEL: YES
Cisco: YES
ECI: YES

Does your implementation treat receipt of an AS_PATH attribute containing an autonomous system matching its own AS Confederation Identifier in the same fashion as if it had received a path containing its own AS number?

ALCATEL: YES
Cisco: YES
ECI: YES

Does your implementation treat receipt of an AS_PATH attribute containing an AS_CONFED_SEQUENCE or AS_CONFED_SET which contains its own Member-AS Number in the same fashion as if it had received a path containing its own AS number?

ALCATEL: YES
Cisco: YES
ECI: YES

2.3. AS_PATH Modification

Does your implementation follow the AS_PATH Modification Rules outlined in [RFC3065bis]?

ALCATEL: YES
Cisco: YES
ECI: YES

2.4. Error Handling

Does your implementation follow the Error Handling procedures outlined in [RFC3065bis]?

ALCATEL: YES
Cisco: YES
ECI: YES

2.5. Path Selection

Does your implementation follow the Path Selection guidelines outlined in [RFC3065bis]?

ALCATEL: YES
Cisco: YES
ECI: YES

2.6. Interoperable Implementations

List other implementations that you have tested for Autonomous System Confederations for BGP [RFC3065bis]:

ALCATEL: IOS, JUNOS
Cisco: JUNOS, IOS, IOS-XR, Redback, Gated
ECI: IOS, JUNOS, Redback

[3.](#) Security Considerations

[4.](#) Acknowledgments

To Be Supplied...

[5.](#) References

[5.1.](#) Normative References

[BGP-4] Rekhter, Y., Li, T., and Hares, S., "A Border Gateway Protocol 4", Internet-Draft, "Work in Progress".

[RFC 1965] Traina, P. "Autonomous System Confederations for BGP", [RFC 1965](#), June 1996.

[RFC 3065] Traina, P., McPherson, D. and Scudder, J., "Autonomous System Confederations for BGP", [RFC 3065](#), February 2001.

[5.2.](#) Informative References

[RFC 1771] Rekhter, Y. and T. Li, "A Border Gateway Protocol 4 (BGP-4)", [RFC 1771](#), March 1995.

[RFC 1863] Haskin, D., "A BGP/IDRP Route Server alternative to a full mesh routing", [RFC 1863](#), October 1995.

[RFC 2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [RFC 2119](#), March 1997.

[6.](#) Author's Address

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