

# ADD-PATH Status

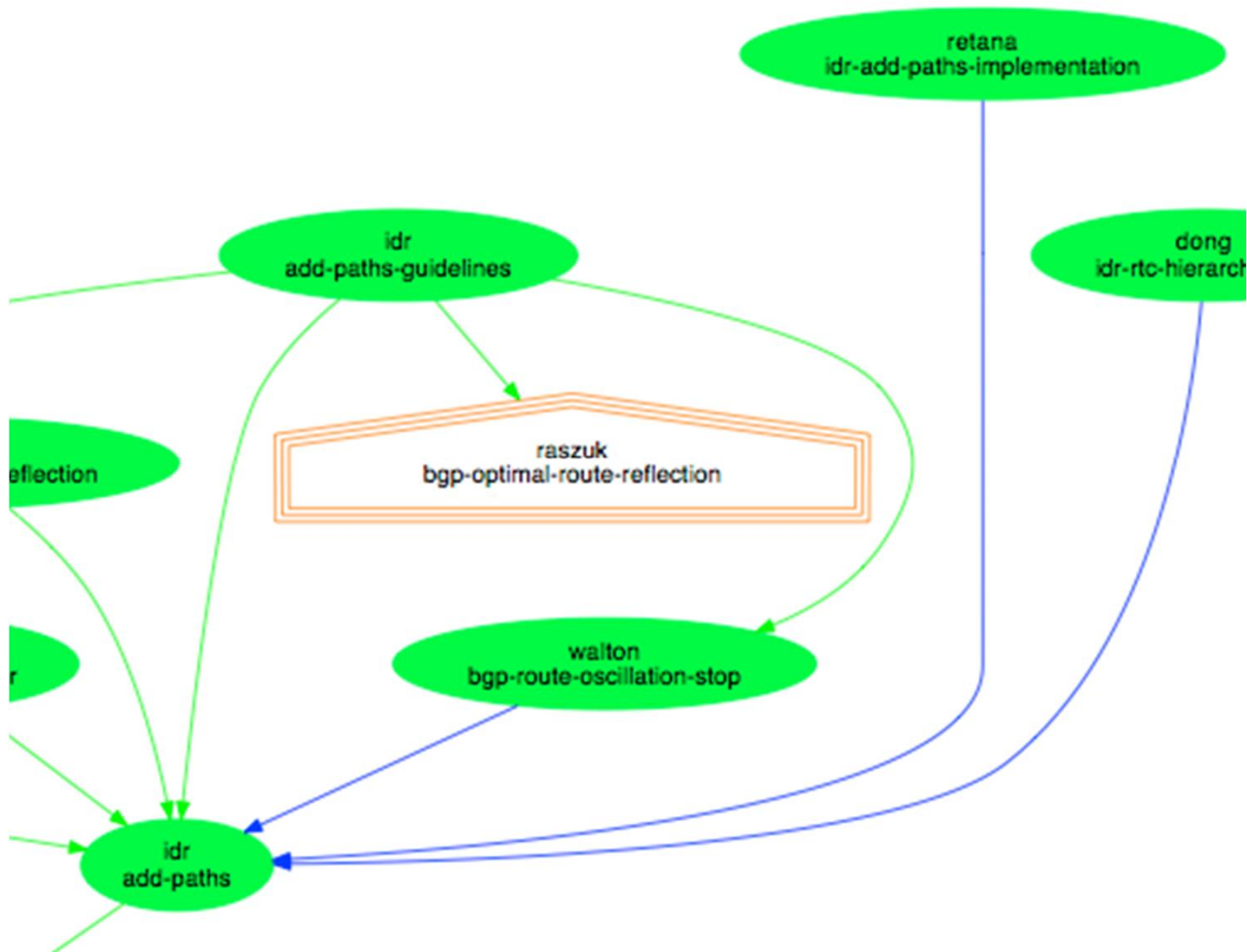
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idr Interim Meeting (Dec/16.2014)

# What is covered?

- “ BGP Persistent Route Oscillation Solutions  
draft-walton-bgp-route-oscillation-stop  
Daniel Walton ([dwalton@cumulusnetworks.com](mailto:dwalton@cumulusnetworks.com)), Alvaro Retana ([aretana@cisco.com](mailto:aretana@cisco.com)),  
Enke Chen ([enkechen@cisco.com](mailto:enkechen@cisco.com)), John Scudder ([jgs@juniper.net](mailto:jgs@juniper.net))
- “ Advertisement of Multiple Paths in BGP  
draft-ietf-idr-add-paths  
Daniel Walton ([dwalton@cumulusnetworks.com](mailto:dwalton@cumulusnetworks.com)), Alvaro Retana ([aretana@cisco.com](mailto:aretana@cisco.com)),  
Enke Chen ([enkechen@cisco.com](mailto:enkechen@cisco.com)), John Scudder ([jgs@juniper.net](mailto:jgs@juniper.net))
- “ Advertisement of Multiple Paths in BGP: Implementation Report  
draft-retana-idr-add-paths-implementation  
Alvaro Retana ([aretana@cisco.com](mailto:aretana@cisco.com))

# Dependency Graph



# BGP Persistent Route Oscillation Solutions (draft-walton-bgp-route-oscillation-stop)

## ” Summary

RFC3345 (BGP Persistent Route Oscillation Condition) documents how persistent iBGP oscillation occurs.

The draft documents the solution(s): advertise all paths or Group Best Paths.

Original motivation and application for ADD-PATH.

## ” Status

WG Adoption + LC issued on Nov/25.2014, but no response was received.

## ” Next Step

Re-poll WG list asking for opposition.

# Advertisement of Multiple Paths in BGP (draft-ietf-idr-add-paths)

## “ Summary

“BGP extension that allows the advertisement of multiple paths for the same address prefix without the new paths implicitly replacing any previous ones.”

## “ Status

Passed WGLC.

## “ Next Step

Publish!

```
+-----+  
| Path Identifier (4 octets) |  
+-----+  
| Length (1 octet) |  
+-----+  
| Prefix (variable) |  
+-----+
```

# Advertisement of Multiple Paths in BGP: Implementation Report (draft-retana-idr-add-paths-implementation)

## ” Summary

Implementation Report for draft-ietf-idr-add-paths.

No changes in reporting since IETF 91.

Respondents: Cumulus Networks, Cisco Systems, Exa Networks, Juniper Networks, Alcatel-Lucent and CZ.NIC.

## ” Status

WG Item

## ” Next Steps

Republish as draft-ietf-idr-add-path-implementation

Collect more data (?).

WGLC and Publish.