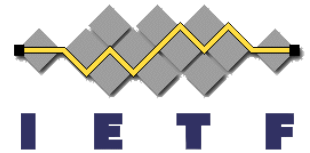
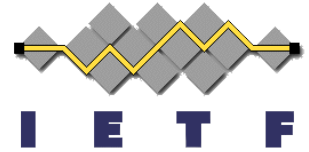


OSPF Graceful Restart Enhancements IETF 100, Singapore

Vijayalaxmi Basavaraj, VMware
Ankur Dubey, VMware
Sami Boutros, VMware
Acee Lindem, Cisco

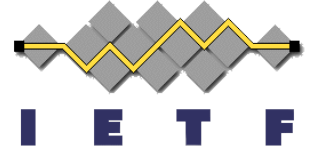


First GR Convergence Enhancement



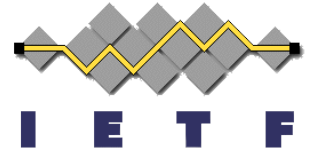
- Situation where restarting router attaches to interfaces with no neighbors
 - Pre-restart Router-LSA will never be received
 - Graceful Restart will not complete until Grace Interval expires
 - Enhancement will assume stub interface if no OSPF packets received on interface in router dead-interval seconds.
 - May be extended to handle other scenarios and assume convergence if the pre-restart LSA is not received in maximum area router dead-interval seconds.

Second GR Convergence Enhancement



- Situation where two routers attached to same interface restart
 - Both routers have StrictLSAChecking disabled
 - Graceful-restart will not terminate until grace interval expires
 - Proposed solution is to terminate graceful restart when multiple routers restart

Summary



- Relatively simple enhancements to restarting router behavior.
- Informational draft since behavior is local.
- Looking forward to discussion on list of these scenarios and possibly others