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Go further, faster®

Supportability and the value proposition NetApp brings to an IPv6 environment

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Portfolio of Innovation





NetApp is in the same position others in the IPv6 community are.

- Adoption rates aren't where we want them to be.
- NetApp is a qualified IPv6 solution provider making a great ally in the community.
- NetApp's customers drive the innovation we pursue in order to provide the solutions needed



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How can we partner,
what does NetApp
have to offer the IPv6
community.





NetApp's IPv6 implementation

- Tested internally by QA, Interop and Solutions groups
- Tested externally by customers who are long time NetApp proponents
 - This has resulted in security audits we may not have had access to other wise.
- Adheres to relevant RFC's - RFC4291, RFC4861, etc
- Migration support from an IPv4 environment to an IPv6
- Support for mixed stack



Potential Use Cases

- Many “Cloud” solution providers are taking advantage of IPv6
- NetApp has long standing relationships with many of these providers. As such, NetApp can move quickly when these providers need a stable, functional IPv6 storage solution.
- NetApp works consistently to provide the needs of the industry providers – if they need it, we can provide it.



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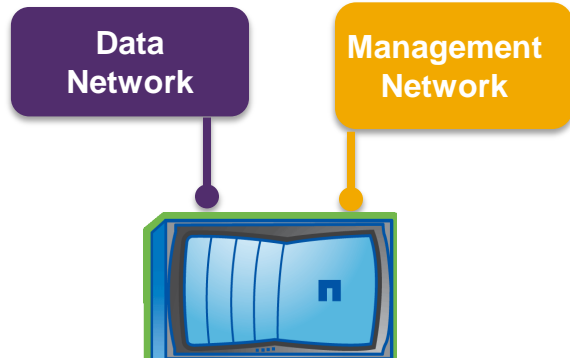


NetApp Cluster Types and Configuring the Necessary Network Related Settings

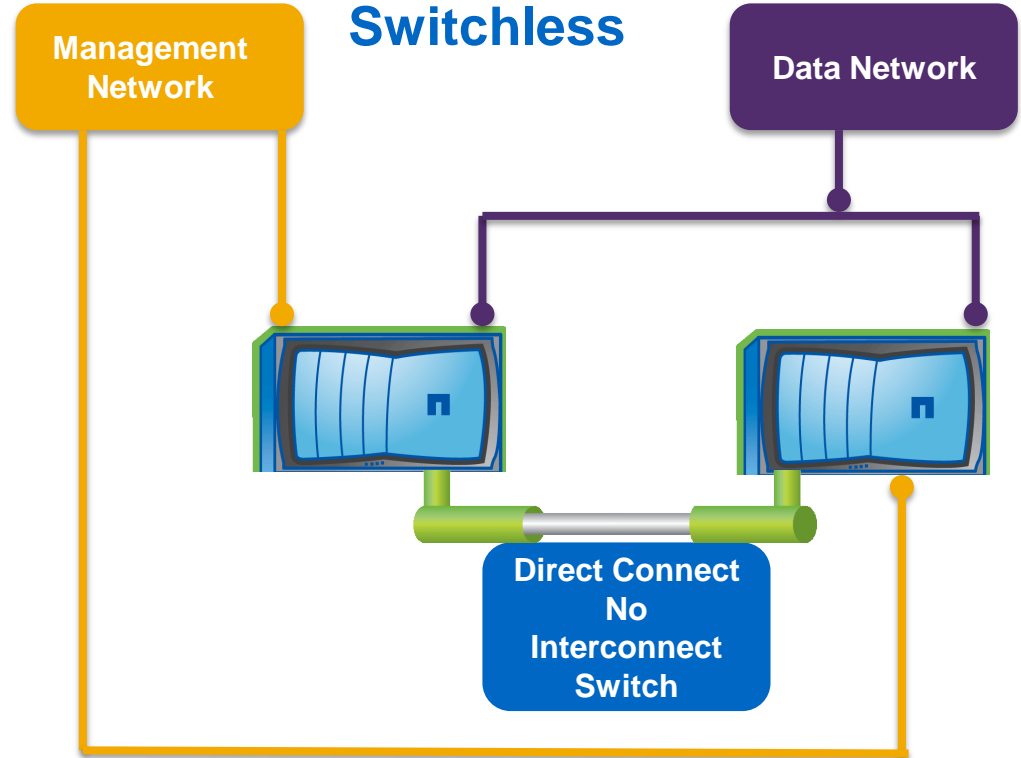


What Type of Cluster

Single Node



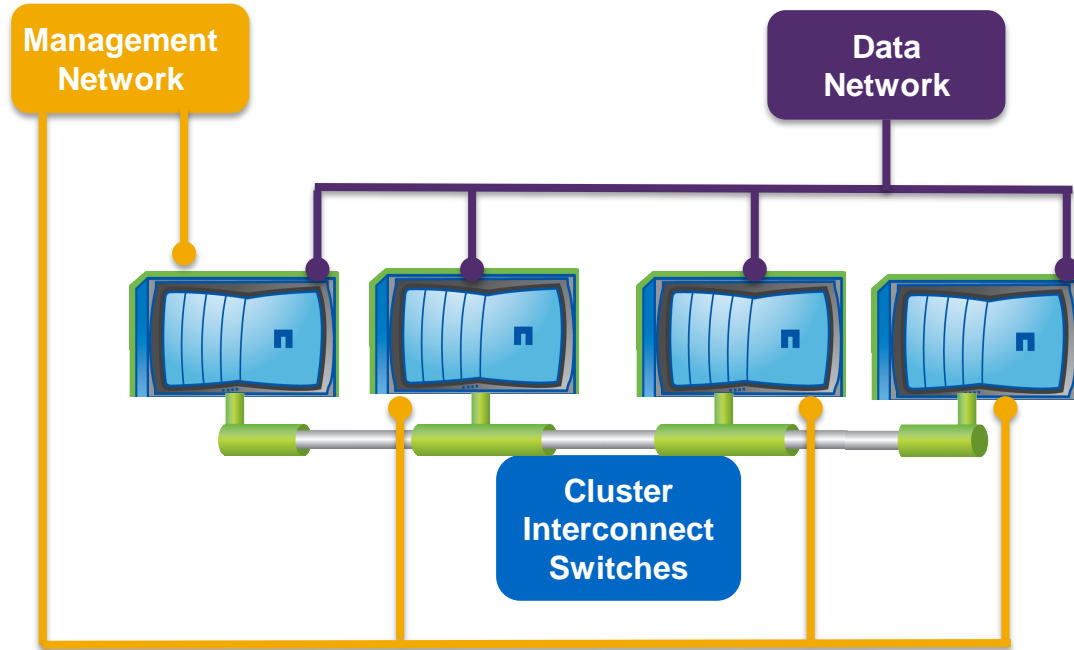
2-Node Switchless





What Type of Cluster continued

Multi-node switched





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Ports:
Physical, VLANs,
Interface Groups



Different port types – all support IPv6 logical devices

- Physical – can be used individually or as part of the logical port offerings below
- VLAN – security aspects complement NetApp's Secure Multi-tenant solution as well as complementing the security messaging inherent in a securely configured IPv6 environment
- Interface groups – can be used for aggregate bandwidth and additional resiliency
 - Static multimode
 - Dynamic multimode



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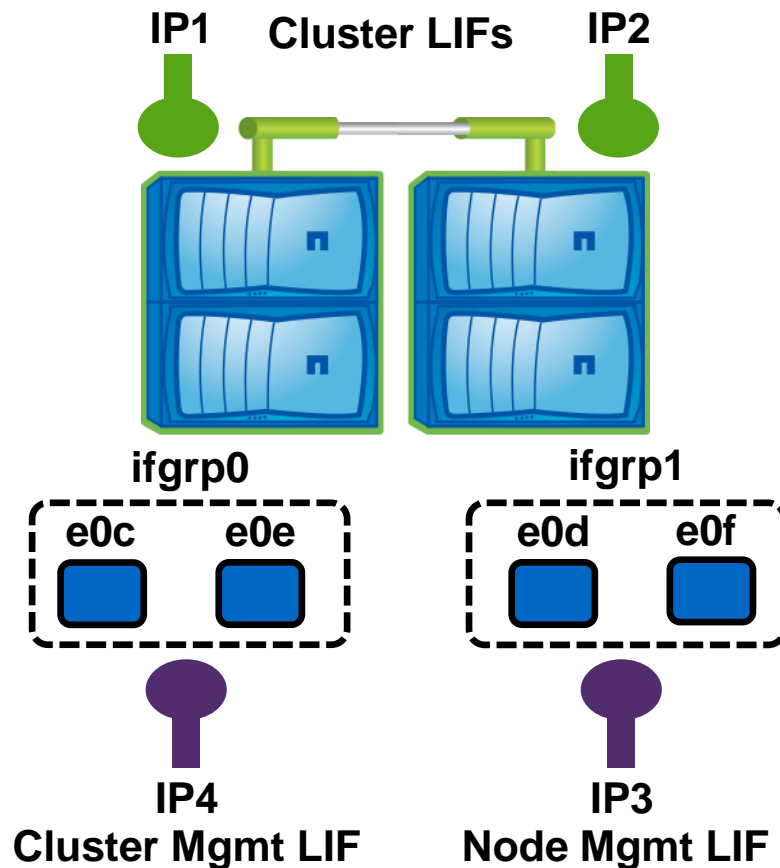


Logical Interfaces
(LIFs) in Clustered
Data ONTAP



Logical Interfaces (LIFs)

- LIFs are created as an abstraction on top of the physical (physical ports) or virtual interface (VLANs or IFGRPs) layer
- Multiple LIFs can exist on one port
- LIFs need to be created with ports of the appropriate type





Thank you

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