

Cisco DNA Service for Bonjour®

The Enterprise networks are going through constant digital transformation as more and more smart and services-rich devices are being connected. While every device is designed with different purposes, the user-centric application and operational simplicity in their operation remains the core focus in technology. The plug-n-play service discovery and distribution using Bonjour technology in networks eases the IT operation for managing devices.

The IT administrator faces several challenges in large and complex Enterprise networks to seamlessly introduce an Bonjour® technology that is originally designed to operate in a single Layer 2 broadcast domain. The current single gateway technology is based on centralized architecture that quickly become bottleneck as network expands demanding more scale and performance impacting other core networking function.

Introducing new **Cisco Digital Network Architecture® (DNA) Service for Bonjour** solution that is based on software-defined controller that enables network-wide distributed devices to advertise and discover Bonjour services across Layer 3 network boundaries based policies. The solution becomes applicable to enterprise networks, education, hospitals and other industry verticals. The Cisco DNA Service for Bonjour introduces several sets of following benefits in Enterprise networks:

- **End-to-End** - It is designed for complex Enterprise-grade LAN and WLAN networks. The benefits can be extended for overlay networks such as Cisco SD-Access, MPLS and more.
- **Scale** - The new distributed architecture support high scale for dense environment enabling services rich large network infrastructure.
- **Seamless** - Easy integration on existing networks without major forklift upgrades or DHCP/DNS servers changes. The user-experience remains intact with no new application.
- **Secure** - Policy-based service discovery and distribution controlled by IT aligning with business and technical needs for specific service, user-group and location.

The Cisco DNA Service for Bonjour follows industry-standard Multicast DNS technology providing compatible solution with any computers, smart devices, IoT devices manufacturers.



Solution



Network

Wired & Wireless
Service without boundaries



Scalable

High scale solution
No performance compromise



Secure

IT controlled service
Policy-Based service distribution



Role-Based

BYOD Service Management
Role and Network Policy Based



Location

Location Proximity Service
Wired and Wireless Mobility



Cisco DNA Service for Bonjour[®]

The new Cisco DNA Service for Bonjour solution enables end-to-end service-oriented Enterprise networks that augment all the key benefits to zero-configuration Multicast DNS technology. With services and feature rich user devices the Cisco's new Bonjour innovations can help improve end-user productivity to access, manage, share, print and synchronize data regardless of their network boundaries. The seamless integration and security the solution becomes very compelling when an IT organization have complete control to enforce security, role and location based based discovery and distribution into the network.

For more solution technical details and information please refer to provided URL or reach out to your Sales team to connect our experts from both companies can help you start your digital journey together with Cisco DNA Service for Bonjour.

More Information

<https://www.cisco.com/go/dna/bonjour>