

### Description

HP Advance Function Software is a three year subscription program that enables owners of HP BladeSystem switches from BLADE Network Technologies to deploy enterprise-class network services. By purchasing this subscription service, customers can augment the capabilities of existing HP BladeSystem Switches.

HP Advanced Function Software features include:

- BladeHarmony™ Manager— a management tool that helps simplify configurations and upgrades to switches embedded in bladed environments across multiple chassis, racks, and domains through the use of an easy-to-use GUI. Using BLADEHarmony Manager, data center administrators can efficiently manage and monitor thousands of BLADE Network Technologies' 1GbE, 1/10GbE and 10GbE embedded blade switches for HP BladeSystem.
- Network Foundation Services— including Private VLAN Edge, DHCP opt82, Hot Links and IGMP v3, and PVRST+. See below for details.
- Major and Minor Software Upgrades—delivering more reliability, scalability, security, manageability and performance for high-performance HP BladeSystem Ethernet switching environments.

### Network Foundation Services

HP Advanced Function Software incorporates sophisticated switch management features and abstraction of individual network components, enabling the delivery of enterprise-class virtual network services, with capabilities that include:

- Private VLAN Edge [PriVLAN] —implements the Promiscuous, Community and Isolated VLAN concepts to provide even greater control over compartmentalization in a group of associated end-stations and servers.
- DHCP opt82—provides the underlying technology for the first implementation of BLADE's ServerMobility™, in which an IP address would be “assigned” to a specific chassis/slot location, independent of the underlying physical server.
- Hot Links—extends the concepts of redundancy & recoverability to uplink trunks without the need for a Spanning Tree configuration, reducing the failover time in support of latency-intolerant applications.
- IGMP v3 Snooping—extends the ability to detect group membership changes and adjusts the routing of multicast traffic accordingly.
- PVRST+ (Per VLAN Rapid Spanning Tree Plus) —expands interoperability with Cisco's proprietary PVRST+ implementation of IEEE Standard 802.1s (Multiple Spanning Tree Protocol) and 802.1w (Rapid Spanning Tree Protocol).
- See the [HP AFS Frequently Asked](#) Questions document for information about new and updated features.

## Eligible Devices

HP Advanced Function Software is available for the following HP BladeSystem Switches from BLADE Network Technologies:

- HP GbE2c Layer 2/3 Ethernet Blade Switch
- HP 1:10 Gb Ethernet BL-c Switch
- HP 10 Gb Ethernet BL-c Switch.

The subscription service to HP Advanced Function Software provides access to the latest versions of software for HP BladeSystem Switches anytime they become available during the three-year subscription period.

## Services

BLADE Network Technologies' BLADEHarmony™ suite of services provides operational support and consulting for planning, deploying and managing your datacenter networking infrastructure. Service and support are available through certified partners. Contact [services@bladenetwork.net](mailto:services@bladenetwork.net) or visit <http://www.bladenetwork.net/services>.

©2009 BLADE Network Technologies, Inc. All rights reserved. Information in this document is subject to change without notice. BLADE Network Technologies assumes no responsibility for any errors that may appear in this document. All statements regarding BLADE's future direction and intent are subject to change or withdrawal without notice, at BLADE's sole discretion. <http://www.bladenetwork.net>.

MKT090902