

Release Notes for Inspur S6850 Series Switches, INOS 11.12.01c

What's New in INOS 11.12.1

The following are the new software features in INOS 11.12.1:

- Easy QoS: Support for match-all attributes
- Flexible Netflow: IPv4/IPv6 flowmonitor on the same interface
- Internet Group Management Protocol Explicit Tracking
- Wired Application Visibility and Control FNF
- (LISP) Extranet Support and (SGACL) Cell Statistics
- Minimum Latency Load Balancing
- Stateful Switchover (SSO) Support for IPv6
- VPN Routing and Forwarding- Aware GRE
- DHCPv6: Support for Option 52 and DNS Search List
- Dual-active-detection using e-PAGP
- Hitless ACL Updates (IPv4 and IPv6)
- IEEE 1588v2, Precision Time Protocol (PTP) support
- IGMP packet forwarding in IEEE 802.1Q Tunneling
- IP-aware Ingress Netflow on VRF Interfaces
- TCP Maximum Segment Size (MSS) Adjustment
- AVC Switching: Export input and output interface
- AVC: NBAR2 attribute support for QoS
- VPLS password redundancy for VLAN
- Simplified and scalable Policy CLI support
- Automatic IPv4-compatible Tunnels
- IPv4 - Object Group ACL
- BGP IPv6 PIC Edge & Core for IP/MPLS
- BGP Support for BFD
- BGP Support for Fast Peering Session Deactivation
- BGP Selective Address Tracking
- CDP over IPv6 Tunnels
- Support for REP Edge No-Neighbour (RENN)
- Must-Secure Support for SW-SW MACsec Encryption
- MACsec Variable length CKN Optional support for ICV
- OSCP multiple response handling
- DHCPv6: Client Link-Layer Address Option (RFC 6939) • Media Access Control Security port channel support
- MACsec Key Agreement cipher announcement exchange
- Support for Transport Layer Security (TLS client)
- MACsec connection across intermediate switches
- MPLS: Ethernet over MPLS (EoMPLS)
- Virtual Private LAN Services (VPLS)
- EIGRP MPLS VPN PE-CE Site of Origin (SoO)
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- Route Target Rewrite
- External BGP (eBGP) and Internal (iBGP) OR eiBGP
- DOM
- Support for TrustWorthy Systems
- High Availability: (1:1) Redundancy
- Trustworthy Systems: Simplified Factory Reset
- Software Maintenance Upgrade (SMU)
- Fast Software Upgrade (FSU)
- RADIUS over Datagram Transport Layer Security
- TrustSec: SxPv4 in LAN Base
- IP-Prefix and SGT-Based SXP Filtering
- VRF-Aware SGACL Logging
- SL: (Switching) No Explicit EULA Accept
- HTTPS Server/Client : New Cipher Suite Additions
- Consent Token for Shell Access
- Password Configuration: Secure Password Migration
- IPv6 support for all features
- IPv6 Multicast with VPN Routing Forwarding Table
- IPv6 support for IEEE 802.1Q Tunnelling
- IPv6 Object group ACL
- IPv6: Source Group Tag (SGT) and Destination Group Tag (DGT) over Flexible NetFlow (FNF)
- Tunnelling: IPv6 over IPv4 GRE Tunnels
- IPv6 Provider Edge over MPLS (6PE)
- IPv6 VPN Provider Edge over MPLS (6VPE)
- IPv6 support for SGACL Policy Enforcement
- Proxy Mobile IPv6 (pmipv6) hybrid access over IPv6
- IPv6 PBR recursive next-hop option

Unsupported Features

The following features are not supported in INOS 11.12.1:

- Smart Licensing
- ISSU (in SVL mode)
- Third Party Application Development
- Model-Driven Programmability
- WebUI, Express Setup
- Wireless Functionality
- Smart-install

Caveats

Caveats describe unexpected behavior in the Inspur releases. Caveats listed as open in a prior release are carried forward to the next release as either open or resolved.

Open Caveats in INOS 11.12.1a

Identifier	Description
CSCvs48569	Infinity: FED crash seen on running diagnostic tests on S6850-48X
CSCvr83723	Infinity: SNMP Query on root/iso gets timed-out during enterprises.48797.9.825

Resolved Caveats in INOS 11.12.1b

Identifier	Description
CSCvw57233	Few cosmetic print changes needed over CSCvw20578
CSCvs73580	Memory leak in fed main event qos
CSCvs50868	Fed memory leak in 16.9.X related to Netflow
CSCvs45231	Memory exhaustion in sessmgrd process due to EAPoL announcement
CSCvz59920	16.12.4 to 16.12.6 with FIPS ISSU OOBHAL logs seen
CSCvw20578	Switch may reload unexpectedly due to a kernel panic caused by an invalid skb
CSCvr30559	Switch may experience a kernel panic due to invalid skb