

zMAN Director

ENDPOINT MANAGEMENT
AMZETTA.COM | 1-877-991-1809

Centralized Endpoint Management Platform

OVERVIEW

Centralized Command for Your Entire SnapOS Fleet

zMAN Director is the centralized management platform built to provision, configure, monitor, and control SnapOS endpoints at scale from initial zero-touch provisioning through ongoing operations, firmware maintenance, and decommissioning. Composed of zMAN Director (the management server and console), zDM (the smart proxy and communication layer), and zID (the built-in identity provider), zMAN delivers a feature set comparable to leading unified endpoint management platforms used in enterprise VDI environments, without the licensing premium.



Deploy Anywhere On-Prem, Cloud, or Hybrid

Four deployment topologies let IT host the management plane wherever security policy demands. zDM's outbound reverse tunnel eliminates inbound firewall ports and VPNs, even across a NAT boundary.



Zero-Touch Provisioning at Scale

New endpoints discover and register via DHCP, DNS, or mDNS no manual config. Flexible approval modes support simultaneous enrollment of 1,000+ endpoints without bottlenecks.



Connect to Any VDI or Cloud Backend

Centrally manage connection profiles for Microsoft RDP, Citrix, and VMware Horizon, pushed on every boot. Profiles support autologin, one-click cloning, and group targeting with no-reboot push.



Easy to Install and Boot

Display, audio, input, Wi-Fi, proxy, NTP, and the embedded VDI browser are all configured centrally and delivered via profiles. Power operations extend that control to the physical power state.



Enterprise-Grade Security

zID delivers OIDC, OAuth 2.0, and SAML 2.0 auth with SSO, MFA, and federation to LDAP, AD, RADIUS, and TACACS. Every channel is encrypted and certificate-authenticated, with SCEP, 802.1X, and TPM disk encryption.



Always Centrally Managed

Remotely update firmware, power-cycle devices, and open SSH or VNC sessions, all tunneled through zDM. A real-time dashboard, searchable inventory, and tamper-evident audit log give complete visibility.

Architecture, Provisioning & Profiles

■ Platform Architecture

zMAN DIRECTOR — MANAGEMENT SERVER

- Web-Based Admin Console (HT TPS)
- Multi-Tenant Architecture (MSP & Enterprise)
- GraphQL API for Third-Party Integration

ZDM - DEVICE MANAGER / PROXY

- NGINX Reverse Proxy (LwM2M +---+ HTTPS/GraphQL)
- mDNS Discovery Advertisement
- Local Content Delivery Cache

SNAPOS ENDPOINT - MANAGED CLIENT

- LwM2M over DTLS Communication
- Zero-Touch Provisioning Client Agent

zID - BUILT-IN IDENTITY PROVIDER

- OIDC / OAuth 2.0 / SAML 2.0
- LDAP, AD, RADIUS, TACACS Federation

■ Deployment Models

FULLY ON-PREMISES (PRIVATE LAN)

- No Internet Required - Air-Gapped Capable
- DHCP, DNS, and mDNS Discovery

PRIVATE SITE, CLOUD-HOSTED ZMAN

- Outbound Reverse Tunnel
- No Inbound Rules

PUBLIC ENDPOINTS, PRIVATE ZMAN

- zMAN Remains Isolated from the Internet

MULTI-SITE ENTERPRISE

- Per-Site zDM Caching and Discovery
- Single zMAN Director, Unlimited Sites

■ Provisioning & Approval

ZERO-TOUCH DISCOVERY

- DHCP Option Injection
- DNS A/CNAME Resolution
- mDNS Multicast (amz-zdm-ns.local)

MANUAL PROVISIONING

- Temporary Access Key Generation
- Management Server Configurator

APPROVAL MODES

- Global Auto-Approval
- MAC-Based Auto-Approval
- Access Key Approval
- Manual Approval (Pending State)

PROVISIONING AT SCALE

- 1,000+ Simultaneous Onboarding
- Automatic Retry on zDM Availability

■ Administration Console & Dashboard

REAL-TIME DASHBOARD

- Device, zDM, and Firmware Status
- Task Queue and Alert Feed

DEVICE INVENTORY

- Hostname, Serial, MAC, IP, Firmware
- CSV Export for Asset Management

ROLE-BASED ACCESS CONTROL

- Tenant, Group, and Function-Scoped Roles

ADMINISTRATIVE AUDIT LOGGING

- All Admin Actions Recorded (Tamper-Evident)
- Session Audit Trail for Remote Access

■ Connection Profiles

MICROSOFT RDP

- Direct IP / Hostname
- RD Web Access
- RD Gateway

CITRIX

- NetScaler / Citrix Gateway
- StoreFront-Brokered Sessions

VMWARE HORIZON

- Connection Server
- Unified Access Gateway
- Blast Extreme and PCoIP

PROFILE MANAGEMENT

- Autologin (RDP & Horizon)
- Clone / Duplicate
- Individual, Multi-Select, or Group Targeting
- On-Demand Push (No Reboot Required)

Settings, Security & Operations

■ Security, Identity & Certificates

zID IDENTITY PROVIDER

- OIDC / OAuth 2.0 / SAML 2.0
- SSO for Admin Sessions
- Multi-Factor Authentication (TOTP/HOTP)

LDAP / AD / RADIUS / TACACS

CERTIFICATE MANAGEMENT

- DER / PEM / PKCS#12 / PKCS#7
- Upload, Push, View, and Revoke

SCEP ENROLLMENT & 802.1X

- Automated PKI Enrollment
- Red-to-White Network Transition
- EAP-TLS Authentication

DISK ENCRYPTION

- TPM Preferred / Mandatory / Passphrase
- Centrally Managed Recovery Key

■ Firmware Management

FIRMWARE REPOSITORY

- Local MinIO (On-Premises)
- AWS S3 / CloudFront (Cloud)

UPDATE CONTROLS

- Version Targeting (Upgrade/Downgrade)
- Concurrent Download Throttling
- Per-Endpoint Status Tracking

■ Client Settings

DISPLAY

- Single and Multi-Monitor (Up to 3)
- DPI / HiDPI Scaling

AUDIO & INPUT

- Volume, Mute, Microphone Level
- Mouse Speed, Sensitivity, Button Swap

WI-FI PROFILES

- Open, WEP, WPA, WPA2 Personal
- TKIP and AES Encryption

NETWORK & BROWSER

- Proxy: Auto (WPAD/PAC), Manual, Disabled
- NTP & Timezone Configuration
- VDI Browser Enable/Disable

■ Remote Access & Application Management

REMOTE ACCESS

- SSH (Command-Line Diagnostics)
- VNC (Graphical Troubleshooting)
- Cross-Network via zDM Reverse Tunnel

APPLICATION & LIFECYCLE

- Enable / Disable Applications
- Remote Factory Reset

■ Power Management

WAKE MECHANISMS

- Wake on LAN (Magic Packet)
- Wake on USB

POWER OPERATIONS

- Reboot, Shutdown, Suspend

POWER SCHEDULING

- Immediate
- Run Once
- Daily Recurring
- Weekly Recurring

■ Scalability & High Availability

ENTERPRISE SCALE

- 1,000+ Simultaneous Endpoints
- Bandwidth-Optimized Firmware Delivery

HIGH AVAILABILITY

- zMAN — Active-Active Clustering
- zDM — Multi-Instance Failover
- zID — Session State Replication

See zMAN Director Running in Your Environment

Connect with an AmZetta Solutions Engineer.

No commitment, no pressure.

[Schedule a Demo](#)

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