MANTLE by NTS

EDGE ACTIVATION PLATFORM

Enterprise. Edge. Every Operator.

The MANTLE Edge Activation Platform is a unified suite that automates everything required to prepare, deploy, and activate systems and devices—from enterprise and cloud environments to the operational edge.

MANTLE replaces manual, expert-driven configuration with **repeatable, automation-based activation,** delivering faster and safer mission-ready capability with greater consistency—even in austere, disconnected (DDIL) environments.

FOCUS ON THE MISSION, NOT ON THE TECHNOLOGY

FEATURES

EDGE DEVICE ACTIVATION

The local execution engine for Day 0 & Day 1 activation at the edge. Automates infrastructure provisioning, configuration, and service activation—delivering mission-ready systems in minutes instead of days.

ANDROID DEVICE ACTIVATION

Extends the platform to end-user devices, enabling rapid batch provisioning of mission phones and tablets—even in disconnected environments. Goes beyond MDM to automate deep app configuration.

FLEET & PROVISIONING MANAGEMENT

Centrally orchestrates reachable MANTLE deployments worldwide. Distributes assets, triggers automated provisioning, and provides fleet-level visibility and governance.

ENTERPRISE WORKFLOW ORCHESTRATION

Automates the enterprise and cloud workflows required before edge systems can be deployed. Orchestrates access, approvals, readiness validation, and dependency coordination.

THE CHALLENGE

Modern operations demand systems that can be **deployed, torn down, and redeployed rapidly**. Yet deploying complex edge architectures remains slow and risky due to:

- Manual configuration and long build timelines
- Heavy reliance on scarce technical experts
- Enterprise bottlenecks (access, approvals, readiness)
- Inconsistent deployments across sites and units
- Increased warfighter exposure during setup

Mantle addresses these obstacles head-on to remove friction across the entire deployment lifecycle—from hardware-agnostic bare metal provisioning and mobile device activation to centralized node management and complex workflow automation.

- **Prepare** the Enterprise →
- **Coordinate** Execution →
- **Activate** Edge Infrastructure →
- **Equip** the End User

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KEY BENEFITS

AUTOMATED CONFIDENCE

Fewer Errors Under Stress.

No more inconsistent builds. Mantle's standardized templates ensure trusted, predictable systems every single time.

NO EXPERTISE REQUIRED

No More Waiting on SMEs or FSRs.

Non-IT operators can run guided, repeatable workflows with just the push of a button - doing the work of an entire tech squad.

FASTER TIME-TO-MISSION

Build in Minutes, Not Days.

Deploy your tech infrastructure on a moment's notice. Shred build times by up to 98% and eliminate one-at-a-time staging.

BUILT FOR THE EDGE

No Internet? No Problem.

Designed for DDIL environments from the ground up, Mantle works where conventional IT automation simply cannot.

INFINITELY SCALABLE

Single Mission Kits or Thousands of Devices.

Easy and transparent licensing model that accommodates all missions, from the team level to the agency enterprise.

CENTRALIZED CONTROL

One Dashboard. Every Node.

Consistent deployments across all locations without on-site experts. Increase fleet visibility while reducing manpower.

REAL-WORLD USE CASES

Multi-day, expert driven build → AUTOMATED

A USAF organization used MANTLE to automate the deployment of a complex expeditionary comms system: Cisco routers / switches / firewalls (SIPR & NIPR), RHEL servers, TAK video / data distribution, and Azure reach-back for a shared COP.

BEFORE MANTLE	AFTER MANTLE
4 DAYS	61 MINUTES
8 PERSONNEL	1 PERSON
2 EXPERTS/SMEs	0 EXPERTS/SMEs
1000+ INPUTS	1 BUTTON PRESS

Serial tablet provisioning → 98.8% REDUCTION

A US Army unit required rapid provisioning of 2,000+ Android devices with validated TAK, security, and mission app configurations. Traditional one-at-a-time staging was unsustainable for a small team with minimal experience during surge requirements.

BEFORE MANTLE	AFTER MANTLE
65 DAYS	8 HOURS
18% FAIL RATE	0% FAIL RATE
1 BATCH SIZE	2000 BATCH SIZE
90+ INPUTS	1 BUTTON PRESS

MANTLE WORKS EVERYWHERE

CLOUD · VM · APPLIANCE · BODY-WORN · WINDOWS · ANDROID

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