

Ulises Paiz

Systems Engineer • **Windows Infrastructure & Automation** • **Top Secret Cleared**

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High-impact systems engineer who builds the Windows infrastructure behind mission-critical platforms — from DoD classified networks to semiconductor process control systems powering the global chip supply chain. Subject matter expert in MECM/SCCM, PowerShell automation, OS imaging, and security hardening. Proven track record of zero-defect deployments, cross-functional leadership, and building automation that frees entire teams for strategic work.

TECHNICAL EXPERTISE

OS & Enterprise Systems

- MECM/SCCM (SME)
- Windows 11 Enterprise
- Task Sequences / WinPE / PXE
- OS Image Creation
- Active Directory / GPO / Entra ID
- Hyper-V / Proxmox
- DNS / DHCP / VLAN
- BeyondTrust Integration

Cloud & Automation

- Azure (AZ-104)
- M365 Admin
- Intune MDM / Autopilot
- PowerShell (Advanced) / PSADT
- Bash / Python
- Configuration Management
- Deployment Orchestration
- Conditional Access / Defender
- Compliance Scripting

Security & Hardware

- STIG / NIST 800-53
- Tanium / ACAS
- Wazuh SIEM / Huntress EDR
- IDS/IPS / BeyondTrust PAM
- Compute Cluster Platforms
- DDR4/DDR5 Memory Systems
- Ethernet / Port Mapping
- Hardware Diagnostics

CERTIFICATIONS & EDUCATION

Clearance: Active DoD Top Secret

CompTIA: SecurityX | CySA+ | PenTest+ | Security+ | Network+ | Cloud+ | Project+

Microsoft: Azure Administrator Associate (AZ-104)

Other: ITIL 4 Foundation | Linux Essentials (LPI)

Education: B.S. Networking & Cybersecurity, Western Governors University (2025)

PROFESSIONAL EXPERIENCE

SYSTEMS ENGINEER

March 2026 – Present

Quest Global | KLA Corporation | Milpitas, CA (Hybrid)

Embedded with KLA's compute infrastructure team engineering Windows platforms for semiconductor process control and AI-driven inspection systems used by every major chipmaker worldwide.

- Engineer and optimize custom Windows OS images for high-performance compute clusters driving KLA's AI-powered inspection and metrology systems, validating hardware compatibility across DDR4/DDR5 configurations and production server platforms.
- Architect PowerShell automation for system configuration, hardware validation, deployment orchestration, and diagnostics across production and development compute environments — accelerating platform readiness and eliminating manual bottlenecks.
- Configure and troubleshoot Ethernet switch port mapping and compute cluster interconnects, ensuring reliable high-throughput data paths for real-time wafer inspection workloads.
- Develop rigorous technical documentation for OS builds, network topologies, and operational runbooks. Collaborate directly with hardware, software, and test engineering teams on cross-functional product development cycles.

SENIOR SOLUTIONS CONSULTANT

Oct 2022 – March 2026

Deloitte Consulting LLP | Defense Manpower Data Center (DMDC), DoD | Seaside, CA

MECM subject matter expert and PowerShell automation lead for DoD enterprise infrastructure supporting classified and unclassified networks at DMDC.

Enterprise Windows 11 Migration // *Zero-defect deployment across DoD enterprise*

- Architected and executed enterprise-wide Windows 11 migration with 100% STIG compliance, serving as the go-to MECM SME for task sequences, application packaging, and deployment troubleshooting. Presented strategy to senior DoD stakeholders, secured full approval, and delivered on schedule with zero rollback incidents.

PowerShell Automation Framework // *65% faster deployments · 95% fewer failures*

- Built enterprise automation framework using PSADT that transformed multi-hour manual application deployments into repeatable one-click workflows — freeing team capacity for the Windows 11 migration and other strategic initiatives.

MECM Infrastructure Overhaul // *Imaging time cut 6h → 2h (67%)*

- Redesigned the full OS deployment pipeline (MECM, PXE boot, custom WinPE) for rapid, reliable imaging. Diagnosed and resolved a complex BeyondTrust/MECM integration conflict that had blocked deployments environment-wide. Reduced deployment failures 90% through systematic root-cause analysis across AD, DNS, DHCP, and VLAN layers.

Security Hardening & Compliance // *100% STIG compliance maintained*

- Engineered Group Policy architecture enforcing STIG / NIST 800-53 controls, reducing configuration-related tickets 30% through automated compliance monitoring. Partnered with Tanium and ACAS teams on vulnerability management and patch compliance.

SYSTEM ADMINISTRATOR

Jul 2019 – Jul 2022

MBS Business Systems | Salinas, CA

Primary technical resource for 40+ enterprise clients (1,100+ endpoints, 99.9% uptime). Full lifecycle ownership from proposals and architecture through implementation and ongoing support.

- Architected AD-to-Azure AD migrations with M365, Intune MDM, and Windows Autopilot for multiple enterprise clients — cutting on-premises infrastructure costs 45% while modernizing endpoint management and security posture.
- Led emergency Log4J (CVE-2021-44228) remediation across 40+ client environments within days of disclosure. Detected and removed unauthorized email access during a separate security audit, preventing an active data breach.
- Designed and deployed multi-site network infrastructure (SonicWall, Sophos, pfSense, Aruba/UniFi) with VLANs, ACLs, and site-to-site VPN. Built Hyper-V and Proxmox virtualization platforms, increasing resource utilization 65%.
- Developed PowerShell automation increasing team efficiency 50% and cutting incident response time 75%. Mentored junior technicians and built standardized documentation improving consistency across the team.

OPEN-SOURCE PROJECTS

github.com/Coach40oz | All PowerShell. All public. Built to solve real problems.

Windows-

SecurityBaselineAuditor

Audits Windows systems against CIS, NIST, and Microsoft hardening

PowerSweep

Automated system scanning and cleanup tool.

W11Upgrade

Automated Windows 11 upgrade for unsupported hardware.

baselines.

SysHawk

System health monitoring and alerting engine.

Drive-X-Ray

Disk analysis and storage forensics utility.

File-Hound

Targeted file search and discovery tool.