Tools POC

POC of Tools

🛠 Tool Name:

MAP (Microsoft Assessment and Planning Toolkit)

📄 History:

Microsoft developed the MAP Toolkit as part of its broader strategy to help enterprises efficiently plan migrations, deployments, and upgrades for Microsoft products. It has been part of Microsoft's suite of free tools available for IT infrastructure planning.

📄 Description:

The Microsoft Assessment and Planning (MAP) Toolkit is an agentless inventory, assessment, and reporting tool that helps assess IT environments for various Microsoft technologies, including Windows OS, Microsoft Office, SQL Server, Azure, and Hyper-V readiness.

🔨 What Is This Tool About?

MAP Toolkit is used for automatic network discovery and inventory collection, allowing IT admins to gather detailed readiness and compatibility data for Microsoft product deployments—particularly Office and OS migrations.

⭐ Key Characteristics / Features:

- • Agentless inventory collection
- • Office and Windows upgrade assessment
- • License tracking and software usage analysis
- • SQL Server discovery and assessment
- • Azure and Hyper-V virtualization planning
- • Cloud readiness evaluation
- • Customizable reports in Excel
- • Multi-environment scanning
- • Scalable to thousands of devices
- • Data export in .xlsx format
- • Easy UI for configuration and scanning
- • Application discovery across network
- • Active Directory integration
- • Identification of underutilized resources
- • Updated product support for new Office versions

🔧 Types / Modules Available:

- • Office Assessment Module

- • Windows Readiness Assessment
- • SQL Server Discovery
- • Server Virtualization Planning
- • Azure Readiness Evaluation
- • Software Usage Tracking Module

🎯 How Will This Tool Help?

• Plan Office 365/Office 2021 migration

• Understand software inventory and usage

• Assess upgrade readiness of systems

• Create licensing compliance reports

• Discover hardware/software bottlenecks

• Assist in budget planning for upgrades

🏯 Proof of Concept (PoC) Images:

The image below illustrates the usage of MAP Toolkit for Office readiness along with Nmap for scanning, Curl for testing endpoints, and a browser accessing IP interface.

Proof of Concept (PoC) Image
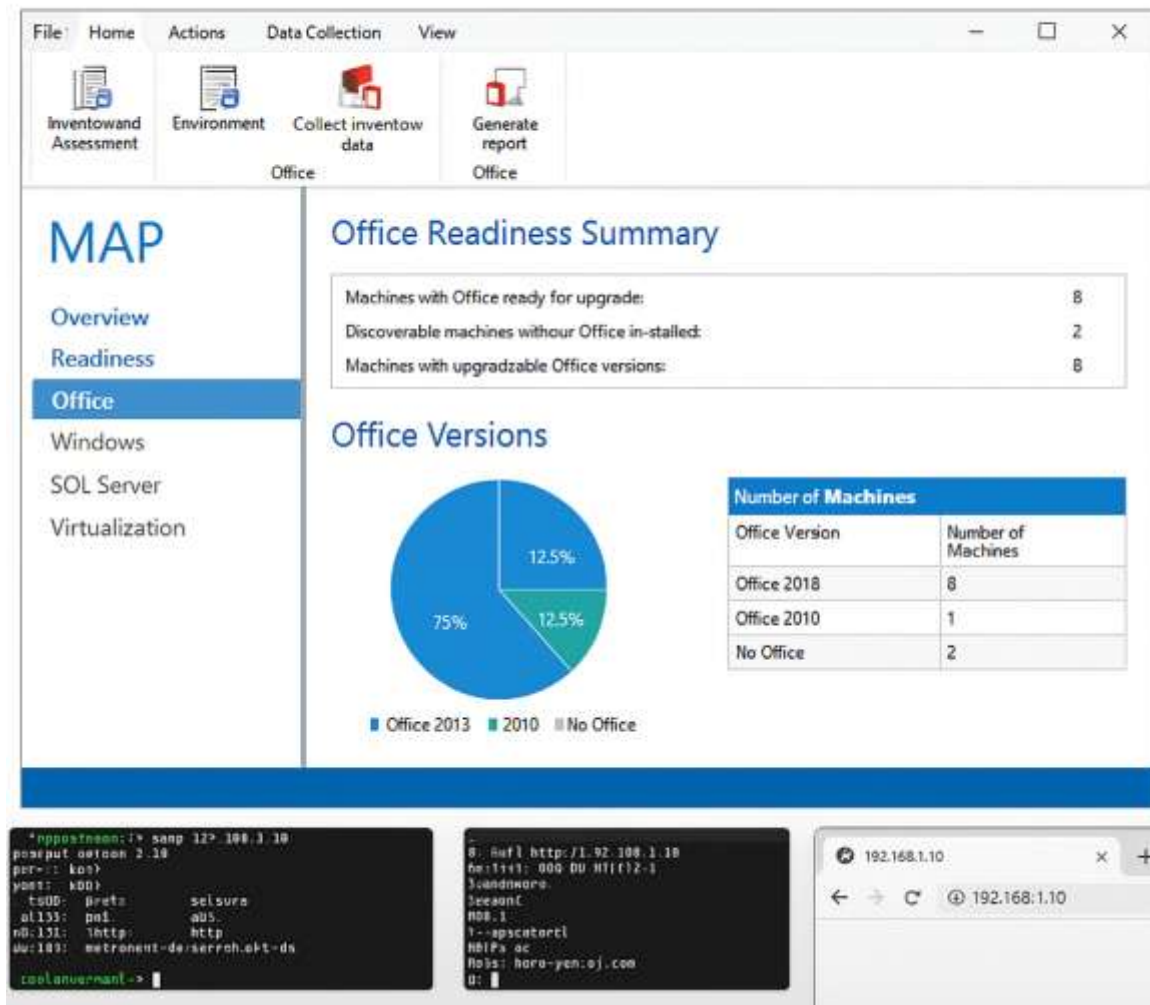
📄 15-Liner Summary:

- • Helps in Office and Windows upgrade planning
- • Scans networks without installing agents
- • Supports large enterprise environments
- • Generates detailed Excel reports
- • Tracks software usage for licensing
- • Assists in cloud and virtualization planning
- • Maps SQL Server instances
- • Evaluates hardware readiness
- • Supports Office 365 and Azure transitions
- • Integrates with Active Directory

- • Reports underutilized devices
- • Provides application compatibility data
- • Offers user-friendly dashboards
- • Suitable for system admins and auditors
- • Completely free from Microsoft

🕐 Time to Use / Best Case Scenarios:

• Before deploying Office upgrades
• During infrastructure migration planning
• For auditing software and licenses
• When evaluating virtualization/cloud adoption

⛳ When to Use During Investigation:

• For internal IT audits
• During license compliance investigations
• To validate Office installations across users
• Pre-migration technical evaluations

🏋 Best Person to Use This Tool & Required Skills:

Best User: System Administrator / IT Auditor / IT Consultant

Required Skills:

• Familiarity with Microsoft enterprise products
• Basic networking knowledge
• Excel proficiency for report analysis
• Understanding of infrastructure planning

🧩 Flaws / Suggestions to Improve:

• Lacks real-time monitoring
• No web interface (Windows-only desktop app)
• Limited support for non-Microsoft products
• No built-in scheduling for recurring scans
• Interface looks outdated for modern UI standards

☑ Good About the Tool:

• Free and agentless
• Supports a wide range of Microsoft products
• Detailed, customizable reporting
• Lightweight and scalable
• Helps reduce upgrade/migration costs