List of Infrastructure Services to Deploy

* Asset Management
  + SnipeIT
* Authentication, Authorization, Accounting, Identity
  + SaaS based HRIS service to integrate with Identity Management tool
    - BambooHR
    - Workday
  + SaaS Identity Management & LDAP (Azure or Okta)
    - Okta (Recommended)
    - Azure
  + Push SaaS data into Cloud hosted LDAP (Active Directory, AWS managed AD, GCP cloud directory)
* Continuous Integration/Continuous Delivery (CI/CD)
  + Jenkins
  + Github Workflows
  + ArgoCD
* Containers & Orchestration
  + Docker - Containerization
  + Kubernetes - Orchestration
  + Twistlock - Security/Vulnerability Reporting
* Git / Revision Control
  + Github Cloud (Preferred)
  + Github Enterprise
  + Gitlab Cloud
* Hypervisor
  + ESXi/VSphere
  + Xen
  + proxmox
* LAMES (Logging, Alerting, Monitoring Excellence & Security)
  + Infrastructure Monitoring
    - Grafana
    - Prometheus
    - Elasticsearch, Logstash, Kibana
    - AlertManager
    - Osquery
  + Network Performance Monitoring
    - Asf
  + SaaS/Cloud Monitoring
    - ThousandEyes
* Network
  + Management
    - SaaS or Cloud based management portal (IE: Software Defined Networking)
      * Meraki
      * Unifi
      * Juniper Sky
      * Palo Alto
      * Velocloud
  + SaaS/Cloud hosted RADIUS based authentication/802.1x
    - Implement EAP-TTLS - <https://tools.ietf.org/html/rfc5281#section-11.2.5>
  + Security
    - IDS
      * Vectra
      * Cisco Firepower
  + IPAM/DCIM
    - [Netbox](https://github.com/netbox-community/netbox) in Cloud Environment
* Productivity software
  + Email & Document Editing
    - G Suite (primary)
    - O365 (secondary, where required for finance)
  + Instant Communication
    - Slack (Recommended)
    - Microsoft Teams
    - RocketChat
  + Telecommunications/conferencing
    - Phone System
      * SaaS based where possible/Cloud self-hosted where not
        + SaaS options:

RingCentral

Twilio

CloudTalk

* + - * + Cloud self-hosted options:

Asterisk

OpenSIP

FreePBX

* + - Video conferencing
      * Pexip
    - Task Management
      * Jira (Cloud - SaaS)
      * Jira Server (Cloud - Self Hosted)
      * Asana
* EUC Management
  + Full Disk Encryption
    - Windows - Bitlocker (Using AES- XTS 256) & Crypt-Server for escrow
    - macOS - Crypt2 & Crypt-Server for escrow
  + macOS Management
    - DEP and MDM tool that is compatible with “[installapplication](https://developer.apple.com/business/documentation/MDM-Protocol-Reference.pdf)” MDM command
      * Fleetsmith
      * Mosyle
      * Simplemdm
      * Micromdm
      * Workspace One
    - [Installapplications](https://github.com/erikng/installapplicationsdemo) - bootstrapping, configuration stored on cloud storage
    - [DEPNotify](https://gitlab.com/Mactroll/DEPNotify) - Visual display to the end user for bootstrapping process
    - [Munki](https://github.com/munki/munki) - bootstrapping, software management, patch management
    - [Nudge](https://github.com/macadmins/nudge) - patch management/minimum OS version enforcement
    - [Privileges](https://github.com/SAP/macOS-enterprise-privileges) - User escalation to administrator on a per department basis
    - GCP Cloud Storage Backend
  + Time Series Reporting
    - [Sal](https://github.com/salopensource) - Compatible with both macOS and Windows, as well as Linux and Chromebooks
  + Windows Management
    - Workspace One/Intune - MDM
    - Autopilot or OOBE experienced - Automates client experience
    - Chef/Ansible - State management for both EUC and server instances
    - [chocolatey](https://chocolatey.org/)/[winget](https://github.com/microsoft/winget-cli) - package management