



# CYNTHETIC SYSTEMS Synthetic Systems Infrastructure Assessment

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Category	Current State	Future State
END USER RESOURCES	Current State	Future State
SERVER INFRASTRUCTURE	Current State	Future State
DATA STORAGE & PROTECTION	Current State	Future State
NETWORK COMMUNICATIONS	Current State	Future State
INTERNET MANAGEMENT	Current State	Future State
DATA & USER SECURITY	Current State	Future State
PHYSICAL MANAGEMENT	Current State	Future State
<b>TOTAL</b>	Current State	Future State

## Tools

### Technology Assessment

#### END USER RESOURCES

Current State Future State

Team members are accessing data, communicating and performing key job functions from a variety of locations and devices. Organizations need to manage how these activities occur to ensure data security and to maximize efficiency and resource utilization. By analyzing the end-user experience, managers can better plan for staffing needs, projects, and budgeting.

**Which statements are true about the company's Microsoft Office licensing?** Current State Future State Recommendations

- Statement (Rank) MS Office 365 subscription
- Single or Volume-License MS Office licenses
- None of the above

Note Comment Tickets Add New Todo Item

**Where is email processed and stored?** Current State Future State

Statement (Rank) Microsoft Office 365 Current State Future State Recommendations

- Microsoft Exchange on Premise
- Other hosted or on-premise solution
- No centralized email

Note Comment Tickets Add New Todo Item

**What is the primary hosted file share & sync solution?** Current State Future State

Statement (Rank) Optimal Solution Current State Future State Recommendations

- Serviceable Solution
- Unsuitable Solution
- Deficient Solution

Note Comment Tickets Add New Todo Item

**Who is the main manufacturer of end user computers?** Current State Future State

Statement (Rank) Preferred manufacture - All less than 5 years old Current State Future State Recommendations

- Other Tier 1 Manufacture
- Multiple Manufactures from all Tiers
- None of the above

Note Comment Tickets Add New Todo Item

**Do all workstations have agents installed?** Current State Future State

Statement (Rank) All workstations Current State Future State Recommendations

- Some workstations
- Agents from other vendors
- None of the above

Note Comment Tickets Add New Todo Item

**Do all workstations have correct A/V agents installed?** Current State Future State

Statement (Rank) All workstations Current State Future State Recommendations

- Some workstations
- Agents from other vendors
- None of the above

Note Comment Tickets Add New Todo Item

**Do all workstations have manufacturer warranty?** Current State Future State

Statement (Rank) All workstations Current State Future State Recommendations

- Some workstations
- None of the above

Note Comment Tickets Add New Todo Item

**Are employees used mobile devices managed?** Current State Future State

Statement (Describe) MDM Solution Deployed on all mobile devices Current State Future State Recommendations

- Outlook ActiveSync: wipe enabled
- ActiveSync Policies for Screen Lock
- ActiveSync Policies for Password

Note Comment Tickets Add New Todo Item

#### SERVER INFRASTRUCTURE

Current State Future State

Your Server Infrastructure provides the core computing services for your applications. Ensuring this environment runs reliably is critical to the success of your business. Whether on-premise or hosted in a facility your servers need to be managed efficiently to maximize uptime and protect your applications.

**Who is the main Server manufacturer?** Current State Future State

Statement (Rank) Preferred manufacture - All less than 7 years old Current State Future State Recommendations

- Other Tier 1 Manufacture
- Multiple Manufactures from all Tiers
- None of the above

Note Comment Tickets Add New Todo Item

**Which attributes describe the Server configuration?** Current State Future State

Statement (Describe) Server OS at manufacture supported version Current State Future State Recommendations

- Critical drives are in a Fault Tolerant Configuration
- All Hardware Array Controllers (no software RAID)
- All servers configured for Out-of-Band Management

Note Comment Tickets Add New Todo Item

**Do all servers have agents installed?** Current State Future State

Statement (Rank) All Servers Current State Future State Recommendations

- Some Servers
- Agents from other vendors
- None of the above

Note Comment Tickets Add New Todo Item

**Do all Servers have correct A/V agents installed?** Current State Future State

Statement (Rank) All Servers Current State Future State Recommendations

- Some Servers
- None of the above

Note Comment Tickets Add New Todo Item

**Do all Servers have manufacturer warranty?** Current State Future State

Statement (Rank) All Servers Current State Future State Recommendations

- Some Servers
- None of the above

Note Comment Tickets Add New Todo Item

#### DATA STORAGE & PROTECTION

Current State Future State

Organizations are generating and storing more data than ever before. It is extremely important to make sure this data is securely stored and managed. Key to managing this data is preparing for unexpected outages or data loss. To provide complete data protection requires a comprehensive plan for logical and physical resources.

**Who is the main Storage Array manufacturer?** Current State Future State

Statement (Rank) Preferred manufacture - less than 7 years old Current State Future State Recommendations

- Other Tier 1 Manufacture
- Multiple Manufactures from all Tiers
- None of the above

Note Comment Tickets Add New Todo Item

**Which attributes describe the Storage environment?** Current State Future State

Statement (Describe) All Storage Arrays are in managed inventory/documentation Current State Future State Recommendations

- All Storage Platforms have manufacturer maintenance
- All Firmware is up-to-date
- Admin access is managed

Note Comment Tickets Add New Todo Item

**Which attributes describe the Backup services?** Current State Future State

Statement (Rank) Optimal Backup Solution Current State Future State Recommendations

- Serviceable Solution
- Unsuitable Solution
- Deficient Solution

Note Comment Tickets Add New Todo Item

**Which attributes describe the backup power systems?** Current State Future State

Statement (Describe) All Critical Infrastructure devices powered by UPS Current State Future State Recommendations

- All UPS Systems covered by manufacturer warranty
- All UPS Systems have network monitoring
- Adequate run time available on all systems

Note Comment Tickets Add New Todo Item

#### NETWORK COMMUNICATIONS

Current State Future State

Even the most basic office systems require a variety of network communications and as organizations embrace more digital image, Unrestricted access to your website or domains could drive clients to your competitors or make you vulnerable to cyber attacks and as more people leverage Social Media it is important to manage the information about you on these services.

**Which attributes describe the Internet Connection?** Current State Future State

Statement (Describe) Business Class Service with SLA Current State Future State Recommendations

- Static IP Address
- Secure Demarc
- All CPE devices on UPS

Note Comment Tickets Add New Todo Item

**Which attributes describe the Firewall?** Current State Future State

Statement (Describe) Firewall from approved Vendor Current State Future State Recommendations

- Firewall covered by manufacturer maintenance
- Remote management restricted to approved IP ranges
- IPS/IDS Services activated
- Only Approved Devices in DMZ

Note Comment Tickets Add New Todo Item

**How is Remote Access configured?** Current State Future State

Statement (Describe) Remote Access configured on Firewall Current State Future State Recommendations

- Domain Authentication enable for remote users
- All other Remote Access solutions blocked
- Guest Wireless Segmented from Company network

Note Comment Tickets Add New Todo Item

**Which attributes describe the LAN?** Current State Future State

Statement (Rank) Recommended Tier 1 Manufacturer Current State Future State Recommendations

- Other Tier 1 Gigabit Switching
- Other 10/100 Megabit Switching
- Deficient Solution

Note Comment Tickets Add New Todo Item

**Which attributes describe the Wireless Network?** Current State Future State

Statement (Rank) Supported Wireless Network with WLC Current State Future State Recommendations

- Other Tier 1 Wireless Network and WLC
- Standalone Wireless APs

Note Comment Tickets Add New Todo Item

#### INTERNET MANAGEMENT

Current State Future State

As organizations build their online presence they need to make sure they are managing the systems that support their digital image. Unrestricted access to your website or domains could drive clients to your competitors or make you vulnerable to cyber attacks and as more people leverage Social Media it is important to manage the information about you on these services.

**Which attributes describe the website?** Current State Future State

Statement (Rank) Cloud Hosted under ongoing maintenance contract Current State Future State Recommendations

- Cloud Hosted, but no maintenance contract
- Hosted on local servers
- Deficient Solution

Note Comment Tickets Add New Todo Item

**DNS Management** Current State Future State

Statement (Describe) All Domain information stored with a recommended registrar Current State Future State Recommendations

- DNS contacts set to Private and Locked
- DNS Access is restricted and Controlled
- All Security certs issued by recommended Authority
- SPF configured for all domains & subdomains

Note Comment Tickets Add New Todo Item

**Social Media Management** Current State Future State

Statement (Describe) Official Accounts/Pages created on all Social Platforms Current State Future State Recommendations

- All platforms have standard Company info and logos
- All accounts are controlled by management
- All Platforms reviewed regularly

Note Comment Tickets Add New Todo Item

#### DATA & USER SECURITY

Current State Future State

As your staff relies on information from web-based resources and communicates digitally with clients and vendors, it becomes increasingly important that those digital communications are not securely carrying malware or exposing your organization to other liabilities.

**Which attributes describe Web Filtering?** Current State Future State

Statement (Rank) Supported Web Filtering with Control Console Current State Future State Recommendations

- Other Web Filtering with Control Console
- Stand alone Web-Filtering systems
- Deficient Solution

Note Comment Tickets Add New Todo Item

**How is Email Filtered?** Current State Future State

Statement (Rank) Supported server based SPAM Filtering Current State Future State Recommendations

- Other Server based Filtering
- Agent/Plugin based filter
- No email filtering

Note Comment Tickets Add New Todo Item

**How do you secure emails?** Current State Future State

Statement (Describe) Email Encryption Current State Future State Recommendations

- Email Archiving

Note Comment Tickets Add New Todo Item

#### PHYSICAL MANAGEMENT

Current State Future State

As organizations become increasingly dependent on Technical Resources to help them succeed and meet their goals, it is important to pay close attention to the physical resources that support these applications. While applications can be technologically advanced they can be crippled by basic environmental events. Managing this physical infrastructure is key to maintaining uptime and security.

**Which attributes describe the Data Center?** Current State Future State

Statement (Describe) Locked Door/Cabinet for critical hardware Current State Future State Recommendations

- HVAC/Humidity Controls
- Temp/Fire Monitoring

Note Comment Tickets Add New Todo Item

**Which attributes describe the cabling?** Current State Future State

Statement (Describe) CAT5e or better Current State Future State Recommendations

- Labeled Patch Panel
- Labeled Wall Jacks

Note Comment Tickets Add New Todo Item