



Electron  
Technology  
Solutions

## About us

Electron is an IT contractor and professional service provider.

Electron provides enterprise computing, storage and networking in addition to the virtualization, orchestration and automation needs for a modernized data infrastructure. In partnering with the industry leaders, Electron ensures the highest technical standards and value for its clients.

## Partners

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## Purpose

Our Purpose is to elevate and advance the data infrastructure in the country guaranteeing the highest functionality and availability of systems and data.

## Core Values

We are very passionate about making a difference in the technology field by working hand-in-hand with our partners for long-lasting success.

## Goal

We are here to provide the enterprise data centers and technology teams with competent solutions and continuous support to guarantee the highest degrees of business continuity, redundancy and availability.

## Clients

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## Hyperconverged Infrastructure:

In contrast to the traditional 3-tier architecture of a storage array and compute nodes, HCI utilizes the power of software to construct a storage fabric between the nodes eliminating the need for a SAN. Data locality ensures faster reads/write speeds, more IOPs and less latency. With features like erasure coding and tuned redundancy, HCI provides the highest degree of redundancy and availability.

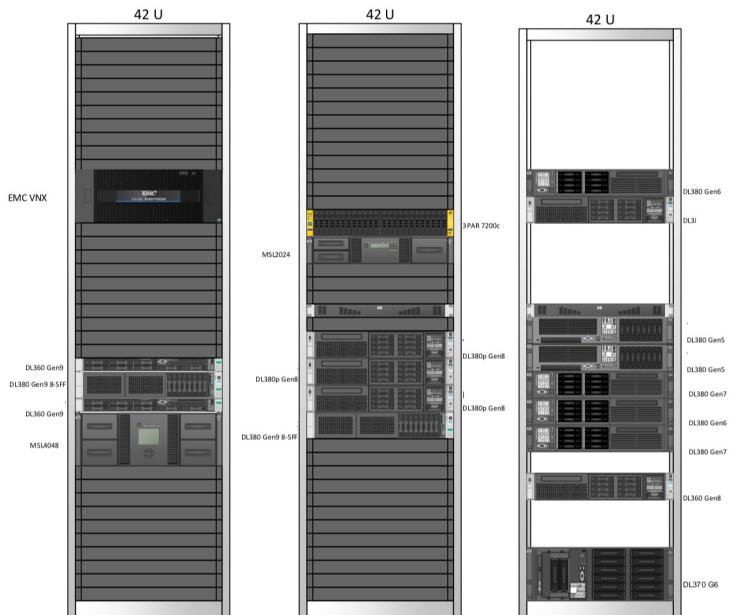
Electron provides multiple HCI options, starting with VMware VSAN, which allows for flexibility in choosing the preferred node manufacturer.

Nutanix is another great option for clients who would like to utilize the powerful Acropolis OS.

## Technical Support:

Electron provides customers with the ability to provide technical support in the fields of computing, storage, networks, security and data protection. Here are a few of our most requested services:

1. Plan, implement, update and monitor data protection measures and implementations. By insuring the recoverability of backups, our clients are rest assured that their backup practice serve its purpose in the time of need.
2. Design and facilitate P2V migration projects. From assessing windows workloads, to testing apps and databases, Electron has had great success helping its clients have a smooth transition to a fully virtualized and automated environment.
3. From hardware refreshes, to data center cabling, and network wiring, Electron is capable of handling all of your data center labor needs.



## Server solutions:

x86 Servers are the computational basis of any data center of any size. With the increase in the demand for virtualization and automation technology, the use of more efficient and compact servers has become a necessity. Electron provides customers with a wide choice of options depending on their current and future requirements.

Electron deals with major brands in the field of x86 servers and is fully prepared to design the specifications, rackup, provision, maintain and update various types of rackmount, blade and tower server provided by Dell, HPE and Lenovo.



 Hewlett Packard  
Enterprise



## Training Services:

As a service provider, we realize the importance of technical training. Therefore, we have made it our mission to provide our clients with the technical training they need to empower them to administer, maintain, and troubleshoot their infrastructures. Our offerings are in the areas of virtualization, data protection, storage and cloud services.

We hold our technical workshops in our technical facility in Jaraba Street where we have our lab data center. The facility has all the resources needed with a backup generator, UPS's and central conditioning. Our trainees never needed to bring their own laptops as our facility has a complete virtual desktop environment setup hosted on one of our clusters.

Electron can also recommend and facilitate authorized vendor-specific private training off- sea or online from the world leading training centers in the Europe and the Middle-East.





### **Storage & Backup:**

Electron understands the frustration IT teams face with their production and replication bottlenecks. Therefore, we work closely with our partners over at Veeam and Dell to provide customized storage and data protection design to improve performance to and agility. We work closely with our clients to implement the 3-2-1 backup rule to all their essential workloads. For long retention archives, we provide our customers with physical tape solutions as well as cloud archiving options.

### **Cyber Security:**

As the threat of vicious hacking groups using malware, ransomware, and web-scripting viruses massively increased, adopting the latest cyber security measures has become a must. Depending on the customer's environment and needs, Electron provides vulnerability and intrusion testing to eliminate the slightest of security gaps. Implementing a proactive security practice helps clients become and stay protected in addition to achieving the highest of auditing standards such as PCI and SSAE 16. Partnering with cyber security leaders has helped us deliver the most powerful tools.

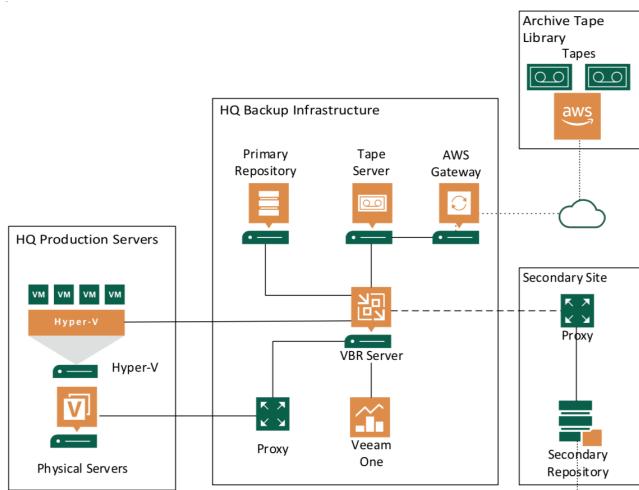
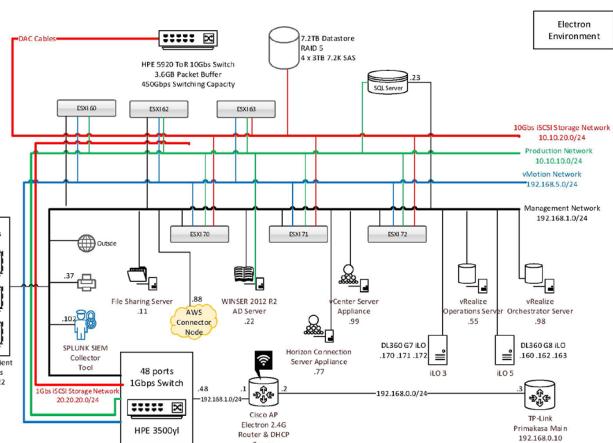
### **Unified Communications & Call Center Solutions:**

As a proud partner of Avaya, Electron has had great success helping its clients with their internal telephony, unified communications, and call center needs.

With great value and exceptional quality, Avaya elevates communications to the next generation of engagement, connecting organizations to their customers, workforce, and communities in an extremely secure and intelligent manner.

## Design:

Electron believes that design can make or break a project, therefore Electron is committed to prioritize design by meeting all customer requirements, vendor guidelines and legal and technical audit compliances. Electron provides its customers with comprehensive designs of their physical and logical LAN, NAS and SAN environments. In addition, Electron can provide its customers with detailed recommendations on data center upgrades.



Our design strategy includes takes future scalability into account. By forecasting what our clients' needs would be in the future, we insure that our design accounts for expandability in the compute resources, capacity, throughputs and IOPs speeds. Rack space assignments and design has helped our customers visualize, prepare, and provision cabling, power, and cooling needs. In addition, our well documented projects and implementations have made maintenance and upgrades straightforward and trouble-free.

## Virtualization:

Virtualization has replaced the traditional one-application-per-box standard. Therefore, Electron has been keen on providing the latest virtualization, orchestration and automation technologies for the compute, storage and network resources of its customers. Electron is a proud technology partner of Citrix and VMware with competencies in server and network virtualization. Our virtualization specialists hold professional VMware certifications in ESXi and NSX. Our main goal is to provide a seamless virtualization experience to our customers' server and desktop needs, which also can be easily integrated with any future private on-site or cloud-based expansions.

**vmware**  
PARTNER

PROFESSIONAL  
SOLUTION PROVIDER





## Microsoft Consulting Services:

As a Microsoft partner and aside from Active Directory and on-prem & Office 365 Exchange design and implementations, Electron has had great experience supporting, maintaining, upgrading and migrating DNS, WSUS, Hyper-V, and File Servers.



## Routing and Switching:

From the logical design all the way to performance testing and tweaking, Electron is capable of distributing, deploying, wiring and supporting Cisco and HPE routing and switching solutions. As a proud partner of the network giant Cisco, Electron can provide its clients with the best in class service and support with the best in class gear. With the advances of OpenFlow, advanced QoS and SDN, Electron has been very passionate about providing its customers with the latest that fits their needs. Our networking team holds professional certifications in Routing and Switching from Cisco and HPE. For advance and complex configurations, our engineers always tests configurations on our on-prem physical lab environment first.



## Cloud services:

Adopting a cloud-based strategy is a necessity for enterprises and SMB's alike. Depending on the customers' needs and level of engagement, cloud services provide many benefits, such as: capital expense elimination, ease of scalability, high flexibility and shorter time to production. Electron is a proud partner for Amazon Web Services, which is the undisputed cloud leader for the past decade. Electron technical staff hold professional architecture certifications from AWS.

Our onboarding approach starts with providing our clients with the knowledge to help them have the smoothest cloud journey. After assessing our customers' needs, our technical staff administer a demo period so that our clients can experience AWS outstanding technology, services and support first-hand.