Quantum Automation

Q-Elite Platform

Research & Development Followed By Extreme Automation

01

COMPANY

Involved In research, development followed by extreme Automation

02

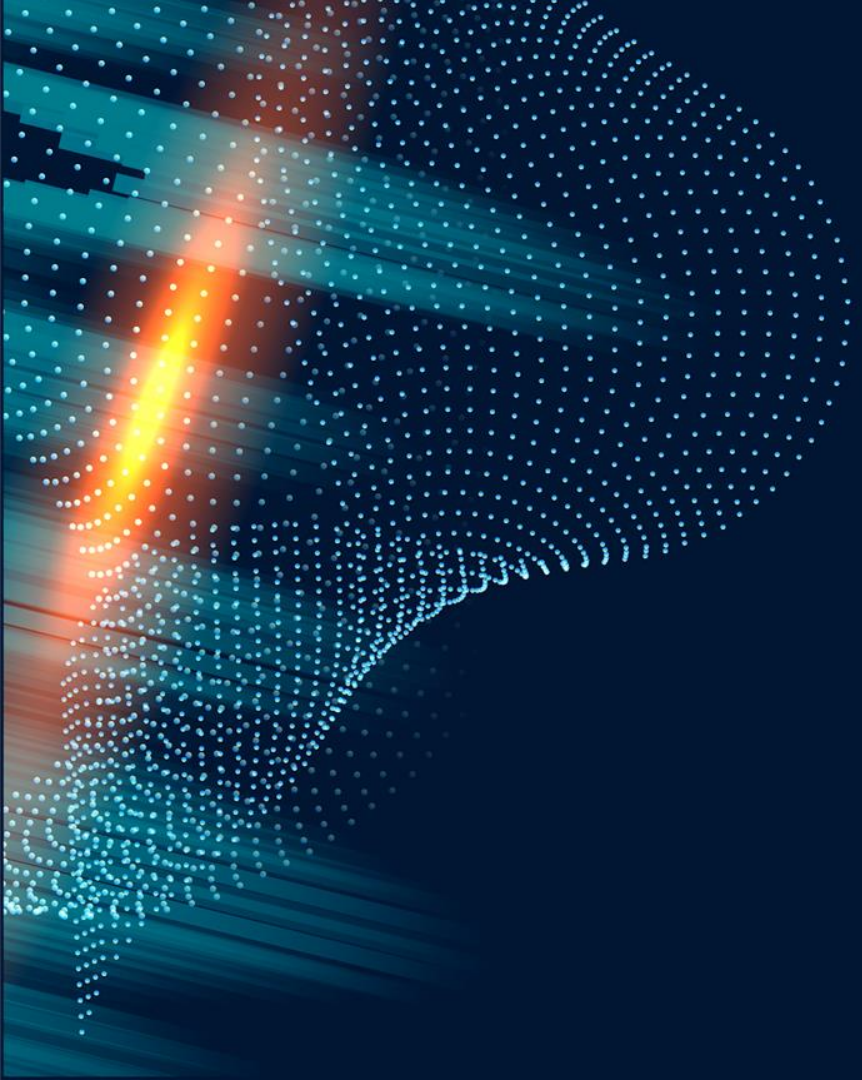
TARGET

Develop AI/ML, Quantum Computing approach to implement secure ,intelligent Automation

03

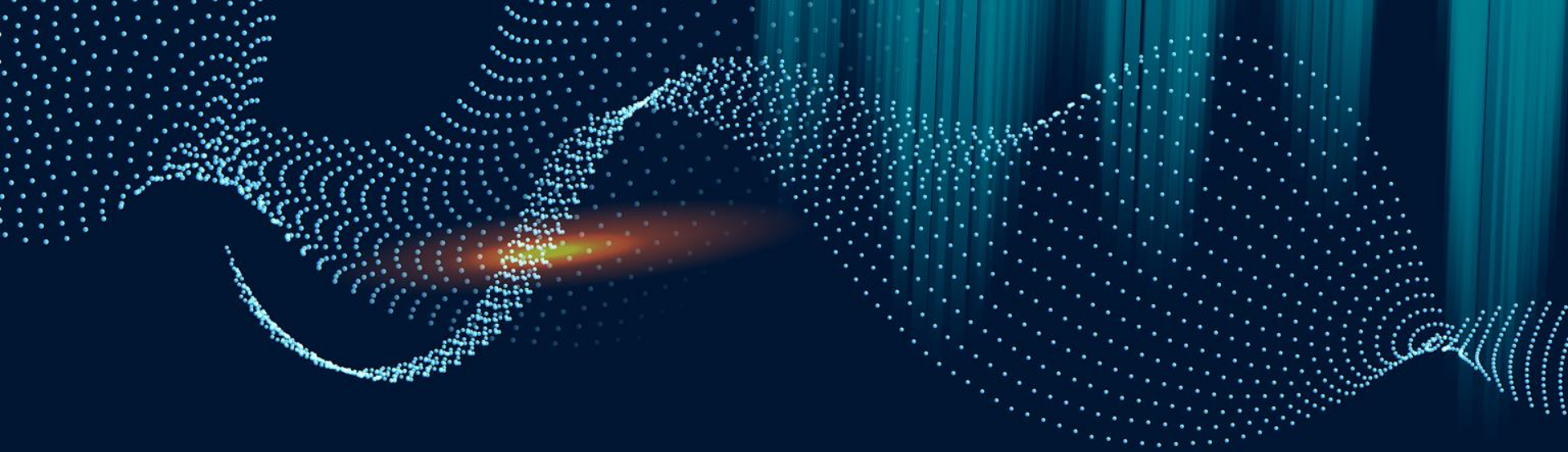
SERVICES

End-to-End Automation, AI/ML based, zero touch provisioning



Q-Elite Platform

Quantum Automation provides End-To-End and extreme Automation solution to replace slow, outdated manual processes with streamlined, automated workflows, leading to increased efficiency and accuracy...



Key Feature’s

Quantum Automation

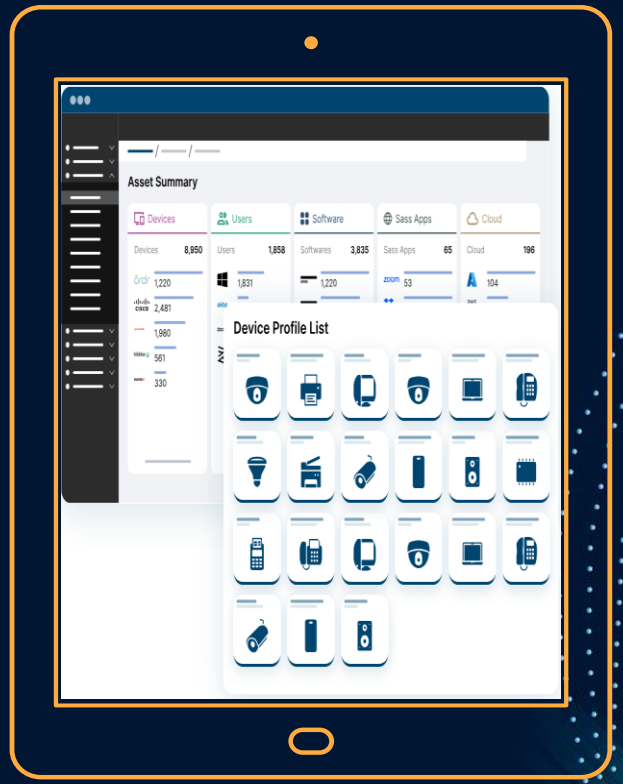
Q-Elite Platform

Device Auto Discovery

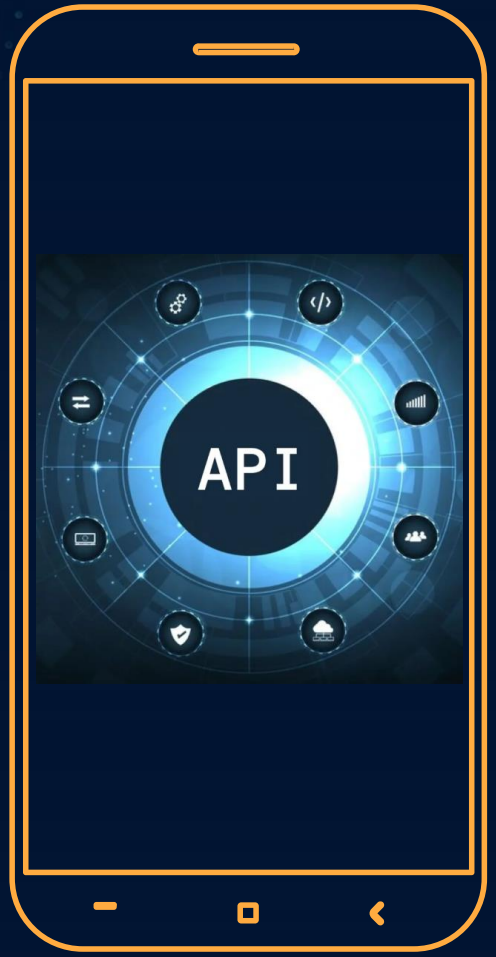
Device Auto Discovery feature discovers all the devices along with connectivity topology

Device Inventory Discovery

Device Inventory feature list the device's along with it's IP, type, SNCP details



API Based Automation

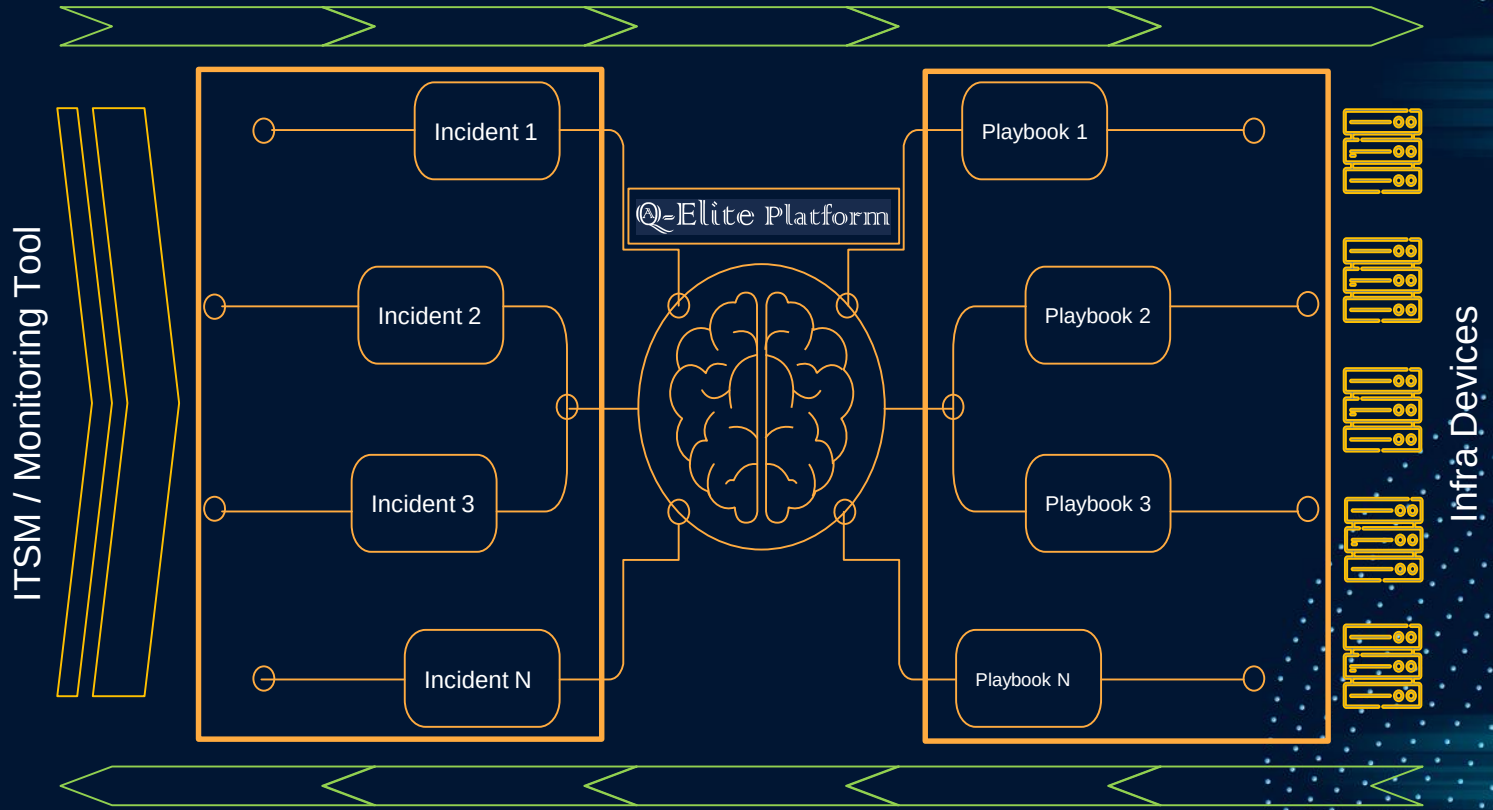


API based Automation feature via CURL command provide desired output with no need of Playbook development

Device Reachability

Device Reachability
Feature discovers all the infrastructure devices along with reachability

Auto Heal & End-To-End Automation Capabilities



Automation Platform Executable !!!

Infrastructure Automation levereges any of the 9 following playbook scripts

- Ansible (.yml, .yaml)
- Python (.py)
- Ruby (.rb)
- Perl (.pl)
- BASH (.sh)
- Shell Scripting (.sh)
- CHEF (.rb)
- Lua (.lua)
- Groovy (.groovy)
- Terraform (.tf)
- Java (.java)
- Puppet (.pp)
- SaltStack (.sls)

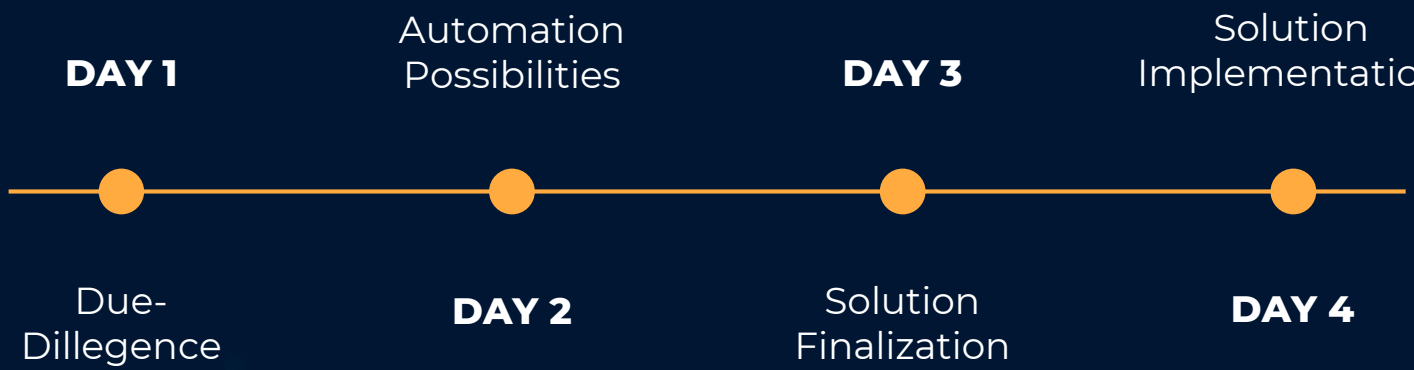
AUTOMATION ACROSS Data Center Technologies !!!

Why Quantum Automation Platform ???

- Device Auto Discovery feature via SNMP as well via API
- Device inventory discovery
- Scheduling of Automation task
- Auto heal feature with zero touch incident healing capabilities
- Platform capable of executing Playbook written in any out of the 10 Automation script
- API based Automation capabilities
- Containerized zero touch deployment with download, install, setup timeframe is within 5 - 10min
- Platform cost is competitive compare to similar solutions

We Believe in Research & Development Followed By Automation

A TIMELINE ALWAYS WORKS WELL



Quantum Automation Approach Towards Automation Scope

Proactive Step By Step Approach

- Understanding pain points from client existing Infrastructure environment along with multi vendor challenges
- Carrying out due diligence of existing environment and understanding manual process execution flow
- Detail study carrying manual efforts vs Automation approach with time ,FTE hour, error free zero touch execution
- Based on detail study of client environment recommend best Automation tool along with comparison
- Targeting/Identifying top 10 use case's to implement via Automation achieving 15-30% FTE effort saving
- Defining tools deployment , implementation & execution timeline along with finalised use case timeline

Infrastructure Automation Capabilities !!!

Infrastructure Virtualization

Infrastructure topology discovery and visualization

Data Analytics

Data gathering and analyse ,event correlation

Task Automation

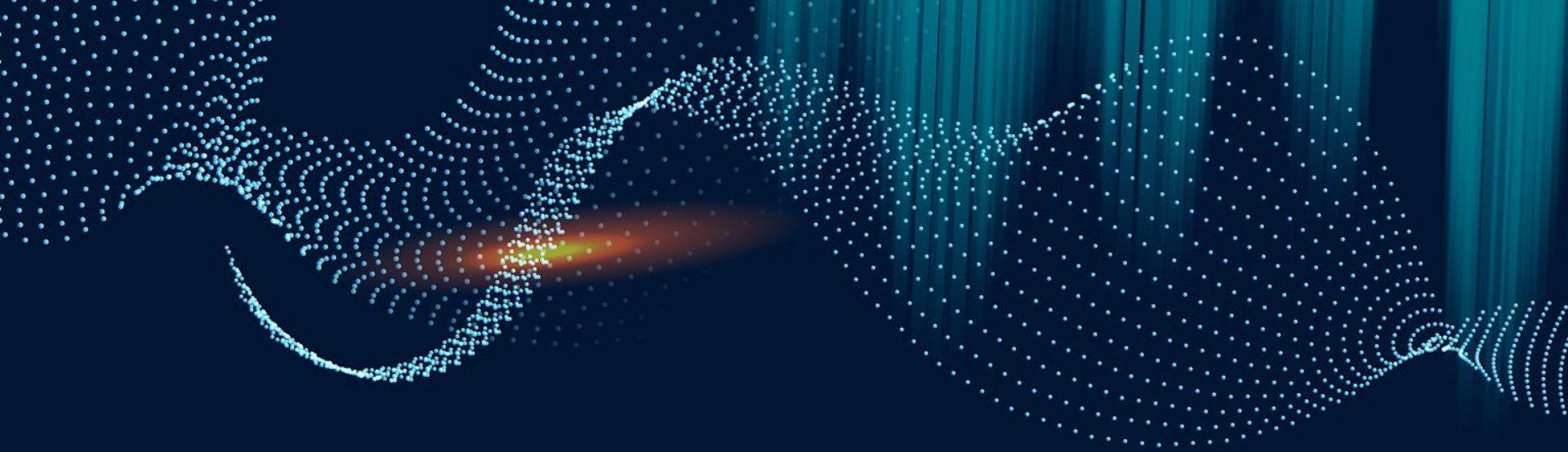
SaaS as well on-prem Infrastructure Automation

Extreme Automation

The convergence of AI/ML, observability and cloud computing elevate the Automation, enabling client business to grow and thrive with ease

Let’s Explore Automation

To deliver better Automation experiences, Quantum Automation innovation capabilities empower client Automation journeys to drive business growth.



A GOOD WAY TO BEGIN THE AUTOMATION JOURNEY

Human error free ,end to end zero touch, FTE savings, L1 utilisation instead L3, Auto heal Automation capabilities

AUTOMATION SUMMARY !!!

Explore Automation as much as possible ...

- Zero Touch provisioning
- End-To-End Automation capabilities
- Human error free
- Infrastructure Observability
- Junior resource(L1) capable to handle SME(L3) task via Automation
- 95% above efforts saving with 30% overall resource optmization possible
- 30% above straight financial savings
- API Integration advantage
- Go Green carbon neutral

Our Infrastructure Automation Solution Partners & Vendors...

SolarWinds	Observability, Network/System/Database/IT Service Management,
AlgoSec	Firewall Auditing/Compliance/management, Application Discovery, Incident reporting
Gluware	Brownfield Automation, Intent-Based networking, multi vendor platform
Netbrain	No Code Automation Platform, Cloud/Network/Security Automation solution
Nagios	Infrastructure monitoring, enhance network reliability and security
AWS & Google cloud	Official channel partner of Amazon AWS and Google Cloud service provider

- **Juniper**
- **HP Aruba**
- **Cisco**
- **Extreme Networks**
- **Palo Alto**
- **Arista**

Platform License term & Setup Specifications

License Term	Year	RAM	Processor	Core	Hard Disk
1 Admin + 9 Members	1	8GB	4	1	200GB to 250GB
1 Admin + 24 Members	3	16GB	6	2	250GB to 300GB
1 Admin + 49 Members	5	24GB	8	2	300GB to 400GB

Setup	Hardware/Software
1 Linux VM	Ubuntu/RHEL/CentOS 64-bit
Number of Processors	4
Number of Cores per processor	1-4
Firewall/Network Ports to open	HTTP: 80 , HTTPS: 443 & SSH-22
VM Pre-installed	Docker

THANKS!

Do you have any questions?
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