



# INTRODUCING THE ONLY EASY WAY TO PROGRAM YOUR VIRTUAL

Leverage a simple graphical interface for your virtual network and security ReST configurations to gain full API access and avoid costly and complex development time.

Single UI for multiple NSX Managers

Query NSX Manager & vCenter Objects

Individual ReST API Calls

Easy to use Step-by-Step Wizards

Saved workflows

Name	Date	Action
Apply dFW Exclusions	8/29/2017 10:28:18 PM	X
Apply Security Tags to VMs	8/29/2017 11:45:34 PM	X
Create dFW Rules	8/29/2017 10:27:34 PM	X
Create Security Tags	8/29/2017 11:05:34 PM	X
Create Security Tags	8/30/2017 4:22:16 AM	X
Create Security Tags	8/30/2017 4:26:19 AM	X
Network Virtualization	8/29/2017 12:37:45 PM	X
Security	8/29/2017 11:58:54 AM	X

## DESIGNED WITH SIMPLICITY IN MIND

ReSTNSX is a quick and easy to use HTML5 GUI driven configuration engine for VMware NSX –v and –T customers who wish to automate, simplify and accelerate the deployment of complex policies, settings and bulk objects. In many situations, custom API calls are required to access certain capabilities. ReST NSX easily brings all the NSX features and power of custom REST API to your fingertips with no knowledge of coding.

### Step-by-Step Wizard Example: Network Virtualization

Config Tasks

Guided Workflow with each step for completing a workflow

1

2

3

Config Rollback

Configuration pushed to NSX Manager

XML Preview, Export and Publish to NSX

0 Processing  
6 Jobs Complete  
0 Errors

```

API Output Preview
MyNetwork
{
  "config": {
    "function-description": "Create Segment ID Pool",
    "object-name": "segmentidpool",
    "api-uri": "/api/2.5/vdn/config/segments/rest-type='POST' Content-Type='application/xml' Accept-Content-Type='application/xml'>segmentidpool=names=5200-6177216/name=dc1e:/>
  },
  "function-description": "Create Transport Zone",
  "object-name": "transportzone",
  "api-uri": "/api/2.5/vdn/scopes/rest-type='POST' Content-Type='application/xml' Accept-Content-Type='application/xml'>vdnscope=dc1e/>
  },
  "function-description": "Create IP Address Pool",
  "object-name": "ipaddresspool",
  "api-uri": "/api/2.5/vdn/scopes/rest-type='POST' Content-Type='application/xml' Accept-Content-Type='application/xml'>ipaddresspool=dc1e/>
  },
  "function-description": "Create Logical Switch",
  "object-name": "logicalswitch",
  "api-uri": "/api/2.5/vdn/scopes/rest-type='POST' Content-Type='application/xml'>logicalswitch=dc1e/>
  },
  "function-description": "Create Logical Router",
  "object-name": "logicalrouter",
  "api-uri": "/api/2.5/vdn/scopes/rest-type='POST' Content-Type='application/xml'>logicalrouter=dc1e/>
  },
  "function-description": "Create Edge Service Gateway",
  "object-name": "edgeservicegateway",
  "api-uri": "/api/2.5/vdn/scopes/rest-type='POST' Content-Type='application/xml'>edgeservicegateway=dc1e/>
  }
  }
  
```

## Standalone Workflow Example: Security Tags

**Workflow Progress**

1. Create Security Tag

2. Review Configuration

3. Publish Results

**Configuration Preview**

Function	Name	Description	Universal	Action
Create Security Tag	WWW1	Web Security Tags		✖
Create Security Tag	WWW2	Web Security Tags		✖
Create Security Tag	WWW3	Web Security Tags		✖
Create Security Tag	WWW4	Web Security Tags		✖
Create Security Tag	WWW5	Web Security Tags		✖
Create Security Tag	WWW6	Web Security Tags		✖
Create Security Tag	WWW7	Web Security Tags		✖
Create Security Tag	WWW8	Web Security Tags		✖
Create Security Tag	WWW9	Web Security Tags		✖
Create Security Tag	WWW10	Web Security Tags		✖

**Publish Results**

Batch Name: MySecurityTags

Status: Complete

0 Processing | 250 Jobs Completed | 0 Errors

## Solution Highlights

- Intuitive, lightweight user interface
- Wizard-based workflows
- Flexible, custom workflows
- Configuration Rollback
- Single Management platform for multi-NSX environments
- Multi-Tenant Administration
- NSX-v and NSX-T support

## ONE PLATFORM FOR NSX PROVISIONING, VISIBILITY AND REPORTING

**Central CLI #Flexible**

```

Central CLI - NSX Manager Command Line Interface
Run commands against defined NSX Manager data sources.

$ show ip route

Codes: K - kernel route, C - connected, S - static,
      * - selected route, # - FIB route

S= 0.0.0.0/0 [1/0] via 18.18.0.1, mgmt
C= 18.18.0.0/24 is directly connected, mgmt

$ show arp

IP address HW type Flags HW address Mask Device
18.18.0.181 0x1 0x2 00:0c:29:81:fa:6c * mgmt
18.18.0.1 0x1 0x2 04:18:06:f1:f3:bd * mgmt
18.18.0.172 0x1 0x2 00:50:56:a5:08:e2 * mgmt
18.18.0.183 0x1 0x2 00:0c:29:80:60:5f * mgmt
18.18.0.188 0x1 0x2 48:30:5c:f6:1e:0e * mgmt
18.18.0.25 0x1 0x2 00:0c:29:80:60:c7 * mgmt
18.18.0.182 0x1 0x2 00:0c:29:3a:1a:08 * mgmt
18.18.0.214 0x1 0x2 f4:80:84:68:aa:a1 * mgmt
18.18.0.288 0x1 0x2 00:19:01:13:12:01 * mgmt
    
```

**Query**

ID	Name
securitytag-1	VULNERABILITY_MGMT/VulnerabilityFound.threat-high
securitytag-10	IDS_IPS.threat-medium
securitytag-11	ANTI_VIRUS/VirusFound.threat-high
securitytag-2	ANTI_VIRUS/VirusFound.threat-low
securitytag-3	ANTI_VIRUS/VirusFound.threat-medium
securitytag-4	IDS_IPS.threat-high
securitytag-5	DATA_SECURITY/violationsFound
securitytag-6	IDS_IPS.threat-low
securitytag-7	AntiVirusVirusFound
securitytag-8	VULNERABILITY_MGMT/VulnerabilityFound.threat-low

**NSX Manager 10.10.0.164 Consumption Report**

**System Summary**

System Details	System Statistics
CHG Name: mgmt	CPU Capacity: 100%
Current Time: 08/10/2016 12:42	CPU Count: 4
Version: 7.1.0(40) (201607)	CPU Percent: 21
Uptime: 27 days 6 hours 19 min 48 sec	Memory Capacity: 13096MB
	Memory Used: 6984MB
	Memory Reserved: 66

**NSX Manager Services**

Service	Status	System Configuration Status
vPathSvc	RUNNING	✔ NTP
BackupSvc	RUNNING	✔ TLS
NSX Replicator	RUNNING	✔ FIM
NSX Manager	RUNNING	✔ Syslog Sensor
SSM Service	STOPPED	✔ Backup Configured

**Configuration Summary**

Security	Network Virtualization
0 Security Tags	0 Logical Switches
3 Security Groups	0 Distributed Logical Routers
11 Distributed Routers	1 High Availability Intenets
0 Edge Forward Rulers	