


Infrastructure As-Built

Prepared for

# Deschamps

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# As-Built Documentation

## Network Infrastructure

- Nexus 7010
    - Username = admin
    - Password = udt2011!
    - Gateway IP = 10.1.1.1
    - Loopback IP = 10.1.3.1
    - NTP Server Enabled
    - Vlans
        - Management = 999 – 10.1.1.0/24
        - Local Users = 2 – 10.1.2.0/24
            - DHCP enabled
            - Switchports active – E4/48 & E7/48
        - Loopback = 3 – 10.1.3.0/32
        - Server-Pod1 = 4 – 10.1.4.0/22
        - Server-Pod2 = 8 – 10.1.8.0/22
        - Server-Pod3 = 12 – 10.1.12.0/22
        - Storage Pod 1 = 64 – 10.1.64.0/23
        - Storage Pod 2 = 66 – 10.1.66.0/23
        - Storage Pod 3 = 68 – 10.1.68.0/23
        - WAN = 500 - 10.1.253.0/24
        - INTERNET = 501 - 10.1.254.0/24
    - SNMP RO = Desch@mpsRO
    - SNMP RW = d3$CH@MP$rw
- ASR 1006 DES-RTR1
    - Username = admin
    - Password = udt2011!
    - IP Address = 10.1.253.4
- ASA 5520 DES-FW1
    - Username = admin
    - Password = udt2011!
    - IP Address = 10.1.254.4
- ASA 5520 DES-FW2
    - Username = admin
    - Password = udt2011!
    - IP Address = 10.1.254.5

## Storage Infrastructure

- EMC NS120
    - Username = nasadmin
    - Password = nasadmin
    - Username = root
    - Password = nasadmin
    - Control Station address = 10.1.1.50
    - Storage Processor addresses = 10.1.1.51, 10.1.1.52
    - Lun 0 – iSCSI_0
        - iSCSI Target IP = 10.1.64.12
        - Lun Masks for eight VMware Hosts
    - Lun 1 – iSCSI_1
        - iSCSI Target IP = 10.1.64.13
        - Lun Masks for eight VMware Hosts
- DataDomain DD630
    - Username = sysadmin
    - Password = udt2011!
    - Username = admin
    - Password = udt2011!
    - Management IP address = 10.1.1.53
    - CIFS Servers
        - DES-DDCIFS01
            - IP Address = 10.1.4.31
            - Eth0b & Eth3b using LACP
    - CIFS Share
        - Backup

## Server Infrastructure

- Cisco UCS Blade Chassis
- Two 6010 Fabric Interconnects
    - Username = admin
    - Password = udt2011!
    - IP Address = 10.1.1.10
    - Fabric  A Server Port
        - Fixed Module ID 1 Slot 1
        - Fixed Module ID 2 Slot 1
    - Fabric  B Server Port
        - Fixed Module ID 1 Slot 1
        - Fixed Module ID 2 Slot 1
    - Fabric  A Uplink ports

        - Expansion  Module ID 1 Slot 2
        - Expansion  Module ID 2 Slot 2
    - Fabric  B Uplink ports
        - Expansion  Module ID 1 Slot 2
        - Expansion  Module ID 2 Slot 2
- Eight B200 Blade Servers
    - Templates

        Service Template Blade-Config
    - Server Profiles

        C1_Blade1 = B200 Slot 1

        C1_Blade2 = B200 Slot 2

        C1_Blade3 = B200 Slot 3

        C1_Blade4 = B200 Slot 4

        C1_Blade5 = B200 Slot 5

        C1_Blade6 = B200 Slot 6

        C1_Blade7 = B200 Slot 7

        C1_Blade8 = B200 Slot 8
    - Pools

        Server Pools = compute-pool-Prod-VM-Cluster

        UUID Suffix Pools = pool default

        MAC Pools = mac-pool-DES-MAC-POOL1

## Virtual Infrastructure

- Hypervisor Layer
    - VMware vSphere 4.1 Update 1 Enterprise Edition
    - Host Settings
        - Username = root
        - Password = udt2011!
        - Management vKernel IP Subnet – 10.1.1.0/24
            - Host IP addresses
                - 10.1.1.81
                - 10.1.1.82
                - 10.1.1.83
                - 10.1.1.84
                - 10.1.1.85
                - 10.1.1.86
                - 10.1.1.87
                - 10.1.1.88
        - VM Network – 10.1.4.0/22
        - ISCSI vKernel Port IP Subnet  – 10.1.64.0/23
            - Host IP's
                - Host 1 – 10.1.64.81, 10.1.64.91

        - Host 2 – 10.1.64.82, 10.1.64.92
        - Host 3 – 10.1.64.83, 10.1.64.93
        - Host 4 – 10.1.64.84, 10.1.64.94
        - Host 5 – 10.1.64.85, 10.1.64.95
        - Host 6 – 10.1.64.86, 10.1.64.96
        - Host 7 – 10.1.64.87, 10.1.64.97
        - Host 8 – 10.1.64.88, 10.1.64.98
    - Software iSCSI Storage Adapter
        - Multipath enabled via two iSCSI vKernel Ports
    - NTP Server = 10.1.3.1
    - DNS Servers = 10.1.4.20, 10.1.4.30
- Virtual Servers
    - DES-DC01
        - Applications – Domain Controller, DNS, DHCP
        - IP Address = 10.1.4.20
        - Windows Server 2008 R2 DataCenter Edition 64Bit
        - Active Directory Domain = DES.Local
            - Domain Administrator account
            - Password = udt2012!
        - Domain Name Server (DNS)
        - Dynamic Host Configuration Protocol (DHCP)
            - Scope = 10.1.6.1 – 10.1.6.254/22
            - Attributes delivered
                - IP Address
                - Gateway Address
                - DNS Servers
    - DES-DC02
        - Applications – Domain Controller, DNS
        - IP Address = 10.1.4.30
        - Windows Server 2008 R2 DataCenter Edition 64Bit
        - Active Directory Domain = DES.Local
            - Default Administrator account
            - Password = udt2012!
        - Domain Name Server (DNS)
    - DES-vCenter01
        - Applications – vCenter, View Composer
        - IP Address = 10.1.4.22
        - Windows Server 2008 R2 DataCenter Edition 64Bit
        - Database – DES-SQL01\vCenter
            - Windows Authentication
            - Username = des\!vcenter

        - Password = udt2011!
    - DRS Enabled
        - Resource Groups
            - High
            - Medium
            - Low
            - View
        - Affinity Rules
            - Domain Controllers must be on different hosts
            - SQL Server and vCenter Server must reside on same host
    - HA Enabled
        - Host Monitoring only
    - VMware Update Manager
        - Database - DES-SQL01\VMwareUpdateManager
            - Requires 32 bit DSN
            - Requires SQL Authentication
            - SQL Username = !vum
            - Password = udt2011!
    - VMware Composer
        - Database – DES-SQL01\ViewComposer
            - Requires SQL Authentication
            - SQL Username = !ViewComposer
            - Password = udt2011!
    - Host Update Profile enabled
    - Host Upgrade Profile enabled
    - Host Profiles used to confirm consistency across Host configurations
- Des-SQL01
    - Applications – SQL Server
    - Ip Address - 10.1.4.21
    - Windows Server 2008 R2 DataCenter Edition 64Bit
    - Microsoft SQL Server 2008 R2 Standard Edition
    - System databases in default installation location
    - Application databases
        - Data files are in F:\SQL_Data
        - Log files are in G:\SQL_Logs
        - F:\ and G:\ disks are vmdk's using VMware Paravirtual scsi adapter
    - SA Password = udt2011!
    - Service Account - !sqlagent01
    - Password = udt2011!
    - Maintenance Plans
        - Full

        - Full Backup of all databases nightly at 2:00AM
        - Full Backups are direct to \\DES-Backup01\SQL_Backups\Full
        - All Backup files are stored for 2 weeks
    - Diff
        - Differential Backup of application databases hourly at 12 past the hour
        - Differential Backups are direct to \\DES-Backup01\SQL_Backups\Diff
        - All Backup files are stored for 2 weeks
- DES-Admin01
    - Applications - AntiVirus
    - Ip Address - 10.1.4.25
    - Windows Server 2008 R2 DataCenter Edition 64Bit
    - TrendMicro Office Scan 10.5
        - AD integrated
        - Service Account - !tmicro
        - Password = udt2011!
        - Application Management GUI can be accessed at:
            - https://DES-Admin01:4343/officescan/default.htm
        - Application Security
            - Default root account
            - Password = udt2011!
            - Service Account and domain admins are admins
        - Client software share = \\des-admin01\ofcscan
        - AV client not installed on View Desktops due to lack of information on needs
        - Application database
            - Installed locally
            - Backup running daily at 5am
            - Automatically saved to \\des-backup01\officescandbbackup
- DES-View01
    - Applications – View
    - Ip Address - 10.1.4.23
    - Windows Server 2008 R2 DataCenter Edition 64Bit
    - VMware View 4.6
    - Service Account - !view
    - Password = udt2011!
    - Database = DES-SQL01\ViewEvents
        - Requires SQL Authentication
        - Username = !ViewEvents
        - Password = udt2011!

        - Active Directory Service Account = !ViewComposer
        - Password = udt2011!
        - Virtual Desktop Pool
            - Windows7
            - Linked Clones
            - Default configuration
            - Entitled Group = DES\ViewUsers
            - Default domain policy adds DES\ViewUsers to remote desktop users group
    - DES-Backup01
        - Applications – Backups
        - Ip Address - 10.1.4.24
        - Windows Server 2008 R2 DataCenter Edition 64Bit
        - Backup Exec  System Recovery 2010
            - Backup to disk targets
                - \\DES-DDCIFS01\ Backups
            - Backup Jobs
                - All VM's, all drives
                - Weekly Full on Friday
                - Daily Incremental