



付録

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ネットワーク設定例

1GE シングル スイッチ

トランク ポートを使用している Nexus 5548

```
vlan 101
  name HX-MGMT
vlan 102
  name HX-STORAGE
vlan 103
  name HX-vMOTION
vlan 104
  name HX-GUESTVM
...
interface Ethernet2/11
  description HX-01-Port1
  switchport mode trunk
  switchport trunk allowed vlan 101-104
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/12
  description HX-01-Port2
  switchport mode trunk
  switchport trunk allowed vlan 101-104
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/13
  description HX-02-Port1
  switchport mode trunk
  switchport trunk allowed vlan 101-104
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/14
  description HX-02-Port2
  switchport mode trunk
  switchport trunk allowed vlan 101-104
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/15
```

```

description HX-03-Port1
switchport mode trunk
switchport trunk allowed vlan 101-104
spanning-tree port type edge trunk
speed 1000
interface Ethernet2/16
description HX-03-Port2
switchport mode trunk
switchport trunk allowed vlan 101-104
spanning-tree port type edge trunk
speed 1000

```

トランクポートを使用している Catalyst 3850-48T

```

vlan 101
name HX-MGMT
vlan 102
name HX-STORAGE
vlan 103
name HX-vmOTION
vlan 104
name HX-GUESTVM
...
interface GigabitEthernet1/0/1
description HX-01-Port1
switchport trunk allowed vlan 101-104
switchport mode trunk
speed 1000
spanning-tree portfast trunk
interface GigabitEthernet1/0/2
description HX-01-Port2
switchport trunk allowed vlan 101-104
switchport mode trunk
speed 1000
spanning-tree portfast trunk
interface GigabitEthernet1/0/3
description HX-02-Port1
switchport trunk allowed vlan 101-104
switchport mode trunk
speed 1000
spanning-tree portfast trunk
interface GigabitEthernet1/0/4
description HX-02-Port2
switchport trunk allowed vlan 101-104
switchport mode trunk
speed 1000
spanning-tree portfast trunk
interface GigabitEthernet1/0/5
description HX-03-Port1
switchport trunk allowed vlan 101-104
switchport mode trunk
speed 1000
spanning-tree portfast trunk
interface GigabitEthernet1/0/6
description HX-03-Port2
switchport trunk allowed vlan 101-104
switchport mode trunk
speed 1000
spanning-tree portfast trunk

```

1GE デュアルスイッチ

トランクポートを使用している Nexus 5548

この設定では、ネイティブ vlan 105 を使用しているインバンド管理とともに DHCP を使用します。このスイッチは両方の IGE LOM に接続して、dhcp relay を使用します。

```
ip dhcp relay
...
interface Vlan105
  ip address 10.1.2.1/24
  ip dhcp relay address 10.1.1.2
  no shutdown
vlan 101
  name HX-MGMT
vlan 102
  name HX-STORAGE
vlan 103
  name HX-vmOTION
vlan 104
  name HX-GUESTVM
vlan 105
  name HX-DHCP-CIMC
...
interface Ethernet2/11
  description HX-01-Port1
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/12
  description HX-01-Port2
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/13
  description HX-02-Port1
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/14
  description HX-02-Port2
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/15
  description HX-03-Port1
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
  speed 1000
interface Ethernet2/16
  description HX-03-Port2
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
  speed 1000
```

スイッチ #2 で同じ設定を繰り返します。dhcp relay コマンドと interface Vlan 105 コマンドは削除します。

トランク ポートを使用している Catalyst 3850-48T

この設定では、vlan 105 に静的に割り当てられている CIMC IP を使用します。すべてのトランク インターフェイスですべての vlans が許可されます。セキュリティ上の理由から、すべてのポート設定に switchport trunk allowed vlan ステートメントを追加し、VLAN を HyperFlex の導入に必要なものに限定することを推奨します。

```
vlan 101
  name HX-MGMT
vlan 102
  name HX-STORAGE
vlan 103
  name HX-vMOTION
vlan 104
  name HX-GUESTVM
vlan 105
  name HX-CIMC
...
interface GigabitEthernet1/0/1
  description HX-01-Port1
  switchport mode trunk
  speed 1000
  spanning-tree portfast trunk
interface GigabitEthernet1/0/2
  description HX-01-Port2
  switchport mode trunk
  speed 1000
  spanning-tree portfast trunk
interface GigabitEthernet1/0/3
  description HX-02-Port1
  switchport mode trunk
  speed 1000
  spanning-tree portfast trunk
interface GigabitEthernet1/0/4
  description HX-02-Port2
  switchport mode trunk
  speed 1000
  spanning-tree portfast trunk
interface GigabitEthernet1/0/5
  description HX-03-Port1
  switchport mode trunk
  speed 1000
  spanning-tree portfast trunk
interface GigabitEthernet1/0/6
  description HX-03-Port2
  switchport mode trunk
  speed 1000
  spanning-tree portfast trunk
```

スイッチ #2 で同じ設定を繰り返します。

10GE デュアル スイッチ

トランク ポートを使用している Nexus 9000

```
vlan 101
  name HX-MGMT
```

```
vlan 102
  name HX-STORAGE
vlan 103
  name HX-vmOTION
vlan 104
  name HX-GUESTVM
vlan 105
  name HX-DHCP-CIMC
...
interface Ethernet1/35
  description M5-Edge-Node1-VIC1
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk

interface Ethernet1/36
  description M5-Edge-Node1-VIC2
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk

interface Ethernet1/37
  description M5-Edge-Node2-VIC1
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk

interface Ethernet1/38
  description M5-Edge-Node2-VIC2
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk

interface Ethernet1/39
  description M5-Edge-Node3-VIC1
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk

interface Ethernet1/40
  description M5-Edge-Node3-VIC2
  switchport mode trunk
  switchport trunk native vlan 105
  switchport trunk allowed vlan 101-105
  spanning-tree port type edge trunk
```

トランクポートを使用している Catalyst 9300

```
vlan 101
  name HX-MGMT
vlan 102
  name HX-STORAGE
vlan 103
  name HX-vmOTION
vlan 104
  name HX-GUESTVM
vlan 105
  name HX-CIMC
...
```

```
interface GigabitEthernet1/0/1
description M5-Edge-16W9-LOM1
switchport trunk allowed vlan 101-105
switchport mode trunk
spanning-tree portfast trunk

interface GigabitEthernet1/0/2
description M5-Edge-16W9-LOM2
switchport trunk allowed vlan 101-105
switchport mode trunk
spanning-tree portfast trunk

interface GigabitEthernet1/0/3
description M5-Edge-16UQ-LOM1
switchport trunk allowed vlan 101-105
switchport mode trunk
spanning-tree portfast trunk

interface GigabitEthernet1/0/4
description M5-Edge-16UQ-LOM2
switchport trunk allowed vlan 101-105
switchport mode trunk
spanning-tree portfast trunk

interface GigabitEthernet1/0/5
description M5-Edge-05G9-LOM1
switchport trunk allowed vlan 101-105
switchport mode trunk
spanning-tree portfast trunk

interface GigabitEthernet1/0/6
description M5-Edge-05G9-LOM2
switchport trunk allowed vlan 101-105
switchport mode trunk
spanning-tree portfast trunk
```