

展示と相互接続の機会について

● 受賞作品はInterop Tokyoの期間中、展示会場内にて展示を行う予定です

● 第一次書類審査通過チームには、「ShowNet」に参加作品を接続し、各種検証をする機会があります。

Tester / Analyzer / Tools

Other Tools
Anne XGEM #3
Anne NTO
CONNECTION TECHNOLOGY
SYSTEMS
ESH-3103 #5
ESH-3603 #5
Giga-Tron Japan / OPTIGRAPH
IP-LED System
CFP-301PM #2
CFP-301PS #26
CFP-301P-LED #2
IP-LED Server
CGS-806PPB #2

File
T107
365
922
Fiber Networks
DTX series #3
OptiFiber
SimpliFiber Pro
Fiber OneShot Pro
Fiber QuickMap
OptiView-XG
Network Tissue Machine
AirCheck

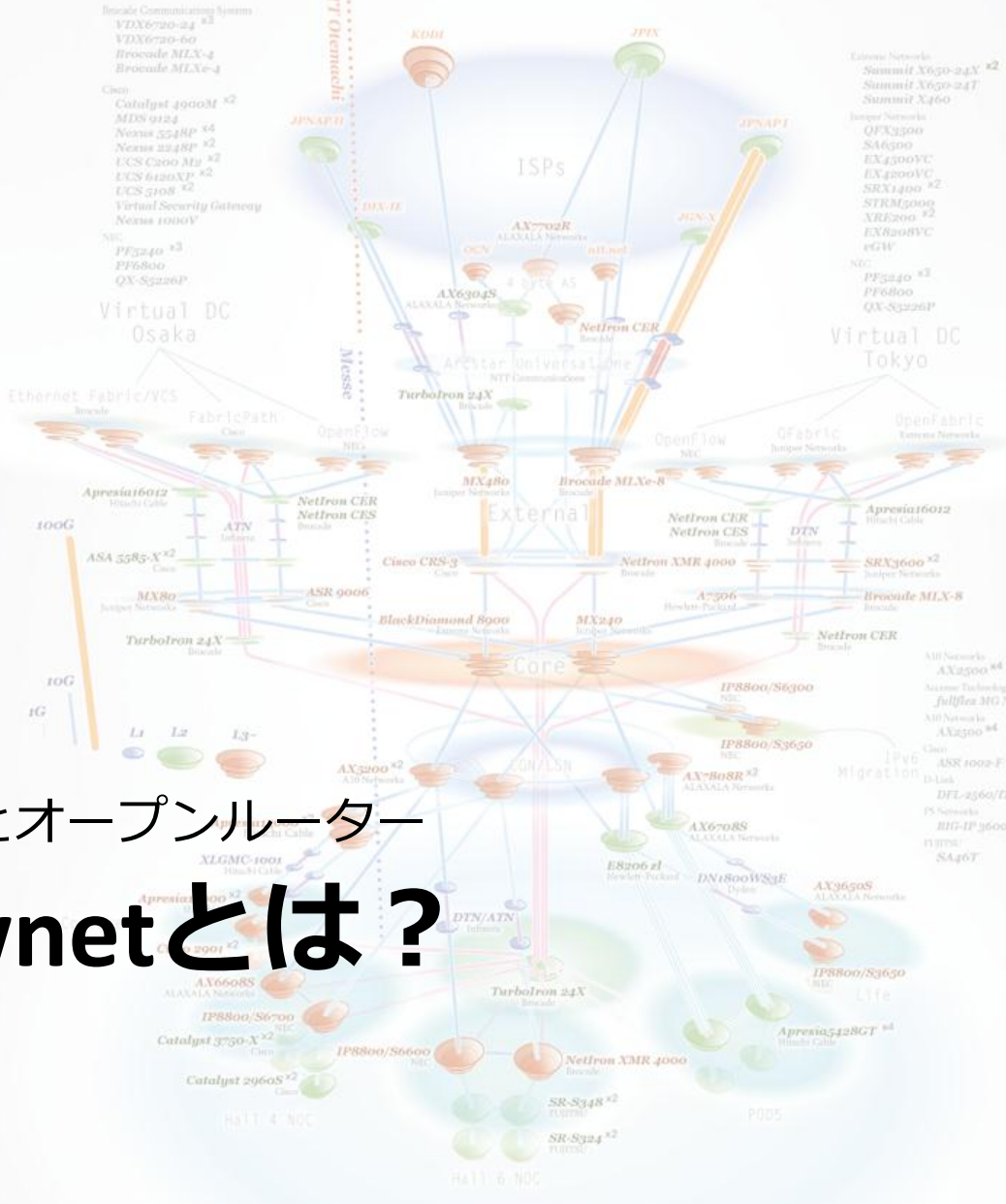
ETHERNET Switch Technologies
NYSSEP #2
NCS7004X1 #2
NCS7000G #2
FIBRE OPTIC
NDT #2

Ita
OptiStar XM12
NTT Communications
Bio Hosting Basic
NTT Communications / NTT
maiko #2
SAMURAIe3
SASAKE
Packet Design
Route Explorer
SERVO PRODUCTS
TS-2210
TM-0110
TD-200V6
TD-200 #8
TX-3740

SD Network Systems
EXADwell NS
SmartEMT NS
SmartEMT NS-2210-10 #14
Spiral Communications
Spiral TestCenter #3
Avanishield3100
Lundhalde1100

Security
Arctic Technology
fullflex
ARXON
IntellaPatch 3000
Siber Networks
arbor peakflow SP
Glenmarq Networks
Intelligent Optical
System 100
Juniper Networks
SRX3600
MAG2600
NET
necor
daedalus

Brocade Communications Systems
VDX6720-24 #3
VDX6720-60
Brocade MLX-4
Brocade MLX-e-4
Cisco
Catalyst 4900M #2
MDS 9124
Nexus 5548P #4
Nexus 2248P #2
UCS C200 M3
UCS 6120XP #2
UCS 5108 #2
Virtual Security Gateway
Nexus 1000V
NIC
PF3240 #3
PF800
QX-S3260P
Virtual DC
Osaka
Ethernet Fabric/VCS
FabricPath
Open-Flow
Netron CER
Netron CES
Aprexia16012
Hitachi Cable
ATN
ASA 5585-X #2
Linea
MX80
ASR 9006
Turboltron 24X
Li
L2
L3
AX3200 #2
A10 Networks
XLGMC-1001
Hitachi L1100
Aprexia 16012 #2
Hitachi Cable
Catalyst 3750-X #2
Cisco
IP8800/S6700
Catalyst 3750-X #2
Cisco
IP8800/S6600
NET
Catalyst 2960S #2
Cisco
Hall 4 NOC
Hall 6 NOC
AX702R
ALAXALA Networks
ALAXALA Networks
AX6304N
ALAXALA Networks
4 byte AS
Netron CER
Brocade
ArcStar UniversalLine
NTT Communications
Turboltron 24X
Brocade
MX480
Juniper Networks
Cisco CRS-3
Cisco
Netron AMR 4000
Brocade
A*506
Hewlett-Packard
Brocade MLX-e-8
Brocade
Netron CER
Brocade
IP8800/S6300
NET
IP8800/S3650
NET
AX780SR #2
ALAXALA Networks
AX6708S
ALAXALA Networks
E8206 z1
Hewlett-Packard
DN1800WS3E
Dytron
AX3650S
ALAXALA Networks
IP8800/S3650
NET
Aprexia5428GT #4
Hitachi Cable
Life
IP8800/S6600
NET
Netron XMR 4000
Brocade
SR-S348 #2
FUJITSU
SR-S324 #2
FUJITSU
PODS
Exhibitors



SERVERS
ATN Japan
EL2800 #2
KV24400 #2
CN8000 #2
AT WORKS
Stringray WX #6
DotHR 2023
Ansoft XG2-8RCSJ #2
Life
EquisLogic P8600AX
EquisLogic P8600AXV
EquisLogic P85000AXV
PowerEdge #7
Latitude #11
IBM
dx3400 #2
x3250M3 #2
x3550M2 #2
x3650M3
Infoblox
Infoblox-1030-A
Infoblox-2000-A
Infoblox-1102-A NetMRI
Infoblox-uNOS
Karbon
Dominion SX
Dominion KX2 #2
Dominion PX #4
CommuniCenter
Secure Gateway
Powers IQ
All Network Systems
SmartCS NS-2240-32 #21
SmartCS Smart
NS-2240-04 #4
Edge Systems
V7780
V7500
Switches
Brocade Communications Systems
Brocade8000
ITU
Gigalink64320J
Management
ALAXALA Networks
fulflex MG NGN Edition
AX2640S #4
AX2430S #2
AX2230S #2
Brocade Communications Systems
FCX 6245 #3
Extreme Networks
Summit X4200
NIC
IP8800/S3650 #6
Life
ALAXALA Networks
AX2640S #2
AX3650S
AX2430S #2
Brocade Communications Systems
PWS 6242 #3
NET
IP8800/S1240 #3
IP8800/S2430 #4
IP8800/S2530 #2
Conference
Brocade Communications Systems
FCX 6245
PWS 6242 #3
PWS 6247 #4
Cisco
WS-C3260X
NET
IP8800/S1230 #2

Shownetとオープンルーター Shownetとは？

Interop

● ネットワーク・インフラ技術、製品、またそれらを用いたソリューションサービスについての展示会

● 相互接続性：“Interoperability”

- 製品と製品
- 人と人
- 技術と技術

● Interop会場内でネットワーク相互接続の巨大なデモ「Shownet」を実施

- 最新最大規模
- 会場内ネットワークが巨大なデモ

ShowNetの役割

● 最新鋭の技術、機器を集め構築される近未来ネットワーク

- 明日のネットワークを意識したデザイン

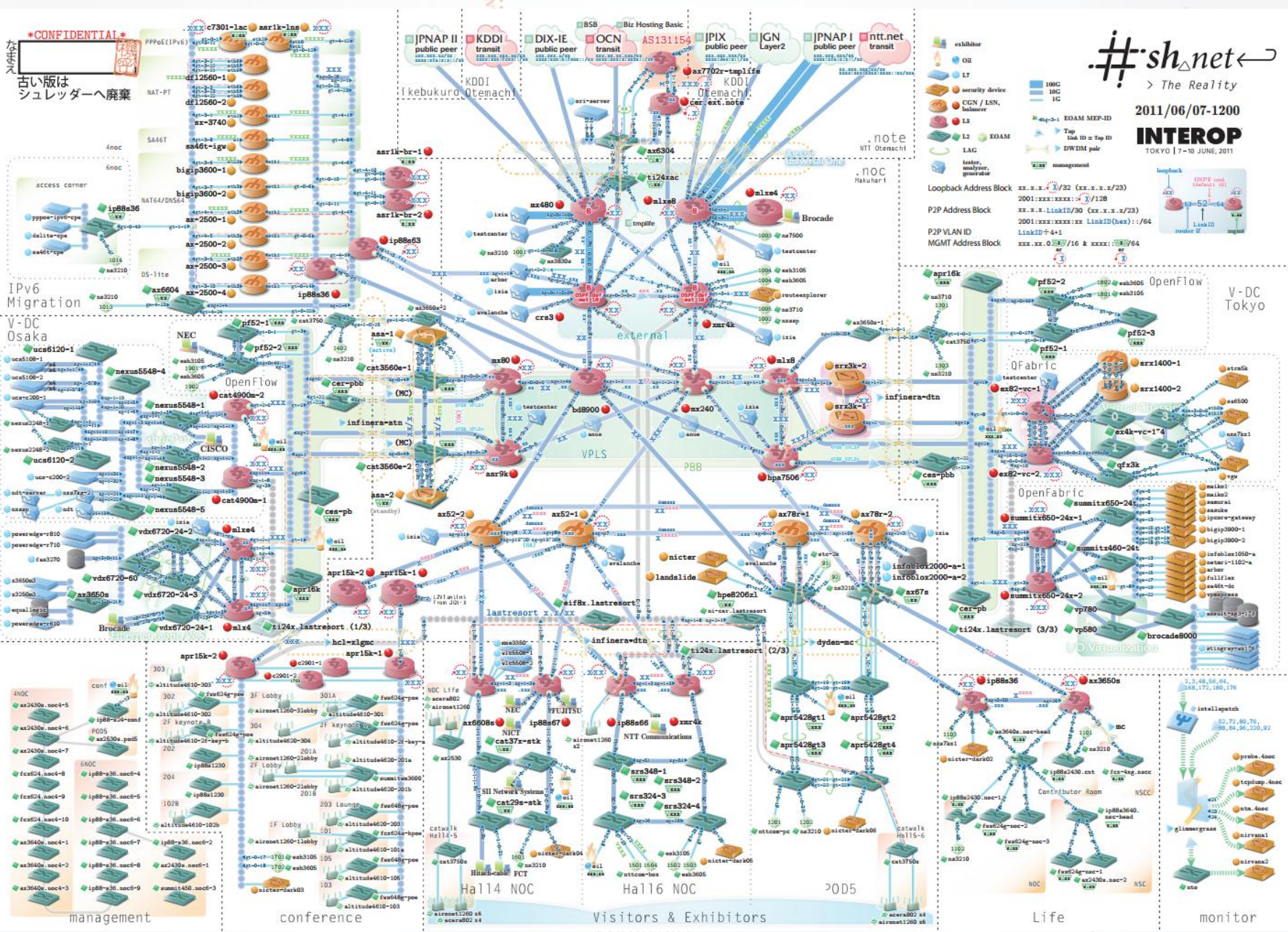
● 最大規模のライブデモンストレーション

- 新技術の相互接続

● コントリビューション（機器・技術提供）によって構築されています。

CONFIDENTIAL

古い版は
シュレッダーへ廃棄



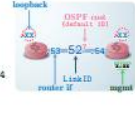
#sh_Δnet ←

> The Reality

2011/06/07-1200

INTEROP

TOKYO | 7-10 JUNE, 2011



Loopback Address Block
P2P Address Block
P2P VLAN ID
MGMT Address Block

V-DC
Tokyo

INTEROP

TOKYO | 7-10 JUNE, 2011

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#sh_Δnet ←

> The Reality

ShowNet Team

● 国内外のトップエンジニアが結集！

– NOC, STM, コントリビューターペシャリスト、総勢数百名がShowNetを全力で構築！

– ベンダ、サービスプロバイダ、学術研究団体など数十団体が集結

– 新たなアイディア、プラクティスが生みだされるイノベーションの「るつぼ」

– 約9ヶ月間の情熱とエンジニアリングの結晶！

去年のテーマ “The Reality”

#sh_Δnet ←
> The Reality

● ShowNetが見据えた未来を現実のネットワークに

- 新しいインターネット技術を検証
- 標準化・展開が進んでいる技術
- IPv6への以降に向けた技術
- 通信インフラとしての柔軟性を増すための技術
- 運用の容易性・安全性を増すための技術

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Anna NTO

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ESH-3603 #5

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Biz Hosting Basic

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SASUKE

Packet Design
Route Explorer

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TD-200 #8
TX-3740

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SmartEMU NS-2110-10 #2
SmartEMU NS-2210-10 #14

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ARXON
IntellaPatch 3000

Siber Networks
arbor peakflow SP#
Glenmarq Networks
Intelligent Optical System 100

Juniper Networks
SRX3600
MAG2600

NET
necor
daedalus

Wireless

Clear
WLC CT330S #2
2310 MSE
WCS

Aironet 3500 #6
Aironet 1262 #12
Aironet 1232 #5

Extreme Networks
Summit WM3600
Altitude 4600 #15

PURENO FUTURE
UNPAS
Managed Server
ACERAS02 #20



「魅(見)せる」
「使える」

ShowNet

- SERVERS
- ATN Japan
EL2800 #2
KV2440 #2
CN8000 #2
- AT WORKS
Stringray WX #6
DotHR 2232
Annuitl XG2-78CSJ #2
- File
- EquiLogic P8600AX
EquiLogic P8600AXV
EquiLogic P85000AXV
PowerEdge #7
Latitude #11
- IBM
dx3400 #2
x3250M3 #2
x3650M2 #2
x3650M3
- Infoblox
Infoblox-1030-A
Infoblox-2000-A
Infoblox-1102-A NetMRI
Infoblox-uNOS
- Karim
Dominion SX
Dominion KXJ #2
Dominion PS #4
CommuniCenter
Secure Gateway
Power IQ
- SI Network Systems
SmartCS NS-2240-32 #21
SmartCS2001
NS-2240-04 #4
- Switch Systems
V7780
V7510
- Switches
- Brocade Communications Systems
Brocade6800
- IOU
Gigalink64320J
- Management
ALAXALA Networks
AX2640S #4
AX2430S
AX230S #2
AX220S #2
- Brocade Communications Systems
FCX 624S #3
- Extreme Networks
Summit X4200
- NET
IP8800/S2600 #6
- Life
ALAXALA Networks
AX2640S #2
AX2630S
AX2430S #2
- Brocade Communications Systems
PWS 624G #3
- NET
IP8800/S1240 #3
IP8800/S2430 #4
IP8800/S2530 #2
- Conference
Brocade Communications Systems
FCX 624S #3
PWS 624G #3
PWS 624G #4
- Clear
WS-C2960X
- NET
IP8800/S1230 #2

コンセプト

100GbE 相互接続
IPv6完全対応

広域仮想化(L2/L3)技術

クラウドコンピューティングと
ネットワークの融合

データセンタインフラマネジメント
エンタープライズソリューション

クラウド時代の
アプリケーションアーキテクチャ
Webテクノロジーとセキュリティ

Tester / Analyzer / Tools

Asa Networks

Anne XGEM #3
Anne NTO

CONNECTION TECHNOLOGY

SYSTEMS
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ESH-3602 #5

Clor Tron Japan / OPTICOM

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CFP-301PS #26
CFP-301P-LED #2
IP-LED Server
CGS-806PPB #2

Hala

T257
365
922

Hydra Networks

DTX series #3
OptiFiber
SimpleFiber Pro
Fiber OneShot Pro
Fiber QuickMap
OptiView-XG
Network Time Machine
AirCheck

IBERTI / Iberia Network Technologies

NXSSP #2
NXS700HX1 #2
NXS700GG #2

PURVISU / PAS

NDT #2

Hala

Optima XMI2

NTT Communications

Biz Hosting Basic

NTT Communications / NTT

mailo #2

SAMURAIteJ

SASUKE

Pekin Data

Revo Explorer

SEIKO ELECTRONICS

SEIKO ELECTRONICS

M-2010

Q-2010

T-2010

T-2010

T-2010

T-2010

T-2010

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Brocade Communications Systems
VDX6720-24 #3
VDX6720-60
Brocade MLX-4
Brocade MLX-e-4

Cisco

Catalyst 4900M #2
MDS 9124
Nexus 5548P #4
Nexus 2248P #2
UCS C200 M1 #2
UCS 6120XP #2
UCS 5108 #2
Virtual Security Gateway
Nexus 1000V

NEC

PF3240 #3
PF6800
QX-5220P

Visual DC
Osaka

Visual DC
Tokyo

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

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ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

ASA 5585-X #2

100Gbps リンクの時代

- 100GbE超広帯域回線
- 幕張内バックボーン
- 対外線100Gx2 LAG



Exhibitors

テーマ別NOC

● Backbone NOC

- ShowNetの心臓部分。広帯域なExternal回線と最新の機器、製品、技術を相互接続した近未来ネットワークを構築しています。

● DataCenter NOC

- データセンターをイメージしたShowNetのデモンストラクションブース。ここでは、東京、大阪それぞれを拠点とするデータセンターを想定し、離れたデータセンター間での通信技術や移行技術などを紹介。

データセンター間ネットワーク

● データセンター間L2接続需要

– 仮想化サービス等でL2ネットワークへの要求拡大

● Mac学習エントリの爆発的な増加といった問題

● 2011年のShowNetで使っている技術

– VPLS

– PBB

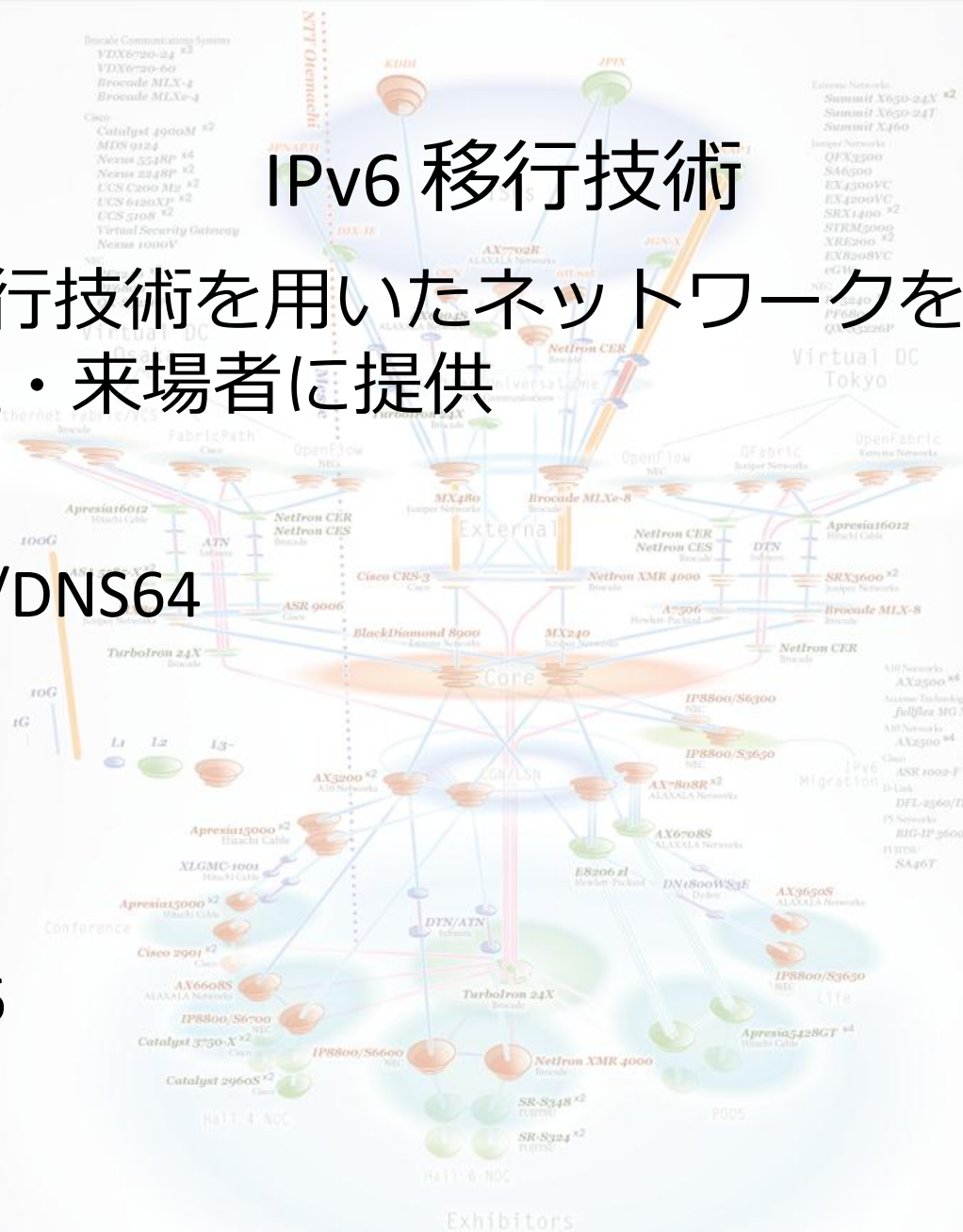
– TRILL

– OpenFlow

IPv6 移行技術

● IPv6移行技術を用いたネットワークを
出展社・来場者に提供

- NAT64/DNS64
- SA46-T
- DS-Lite
- 6RD
- PPPoE6



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 HUB
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 922
 Video Networks
 DTX series #3
 OptiFiber
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 Fiber OneShot Pro
 Fiber QuickMap
 OptiView-XG
 Network Time Machine
 AirCheck
 RIBBIT / Realtek Network Technologies
 NXSSP #2
 NX5700HX #2
 NX5000G #2
 FURUKAWA
 NDT #2
 I/O
 OptiNet-IP
 NTT Communication /
 Biz Hosting Basic
 NTT Communication / NTT
 mailto #2
 SAMURAIe3
 SASURi
 Packet Design
 Route Explorer
 SIBU / PROVISION
 TS-2210
 TM-0110
 TD-200V6
 TD-200
 TX-374
 All Network Systems
 EXAtrial NS-7100
 SmartEMT NS-2110-10 #2
 SmartEMT NS-2210-10 #14
 Spirent Communications
 Spirent Center
 Avulink-100
 Lundbäck-100
 Security
 Active Tech
 fullflex
 ARXON
 IntelPatch 3000
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 Inopaq Networks
 SRX3600
 MAG2600
 NGT
 nieter
 doeduhix
 200 Mbit
 WCS
 Aironet 3500 #6
 Aironet 1262 #12
 Aironet 1232 #5
 Extreme Networks
 Summit WM3600
 Altitude 4600 #15
 FURUKAWA
 UNIAS
 Managed Server
 ACERA800 #20

SERVERS
 ATN Iwate
 CE2900 #2
 KV24200 #2
 CN8000 #2
 AT WCBUS
 Stingray WX #6
 DoT-HH #232
 Ansuml XG2-100CS #2
 Dell
 EqualLogic P86000X
 EqualLogic P86000XV
 EqualLogic P85000XV
 PowerEdge #7
 Latitude #11
 IBM
 dx3400 #2
 x3250M3 #2
 x3650M2 #2
 x3650M3
 Infoblox
 Infoblox-1030-A
 Infoblox-2000-A
 Infoblox-1102-A NetMirr
 Infoblox-NIOS
 Karim
 Dominion SX #2
 Dominion KXT #2
 Dominion PS #4
 Commvault Center
 Secure Gateway
 Power IQ
 All Network Systems
 SmartCS NS-2240-32 #21
 SmartCS-2001 #1
 NS-2240-04 #4
 Sage Systems
 V7780
 V7500
 Switches
 Brocade Communications Systems
 Brocade8000
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 ALAXALA Networks
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 FWS 6242 #3
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 Class
 WS-C3260X
 NEC
 IP8800/S1230 #2

EtherOAM

- Ethernetレベルでの同通性や到達性を監視できる技術
- ShowNetでは、品質や障害の監視に利用し、より実用化レベルを想定した運用を意識
- 利用技術と構成
 - 監視
 - 802.1agで実施, 基本は専用VLAN
 - 相互接続性検証
 - Y.1731の接続性検証

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Brocade MLX-4

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Nexus 2248P #2
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QX-S326P

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Osaka

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FabricPath
Open-Flow
NetTron CER
NetTron CES

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ASA 5506
ASR 9006
Turboliron 24X
MX80
MX480
MX240

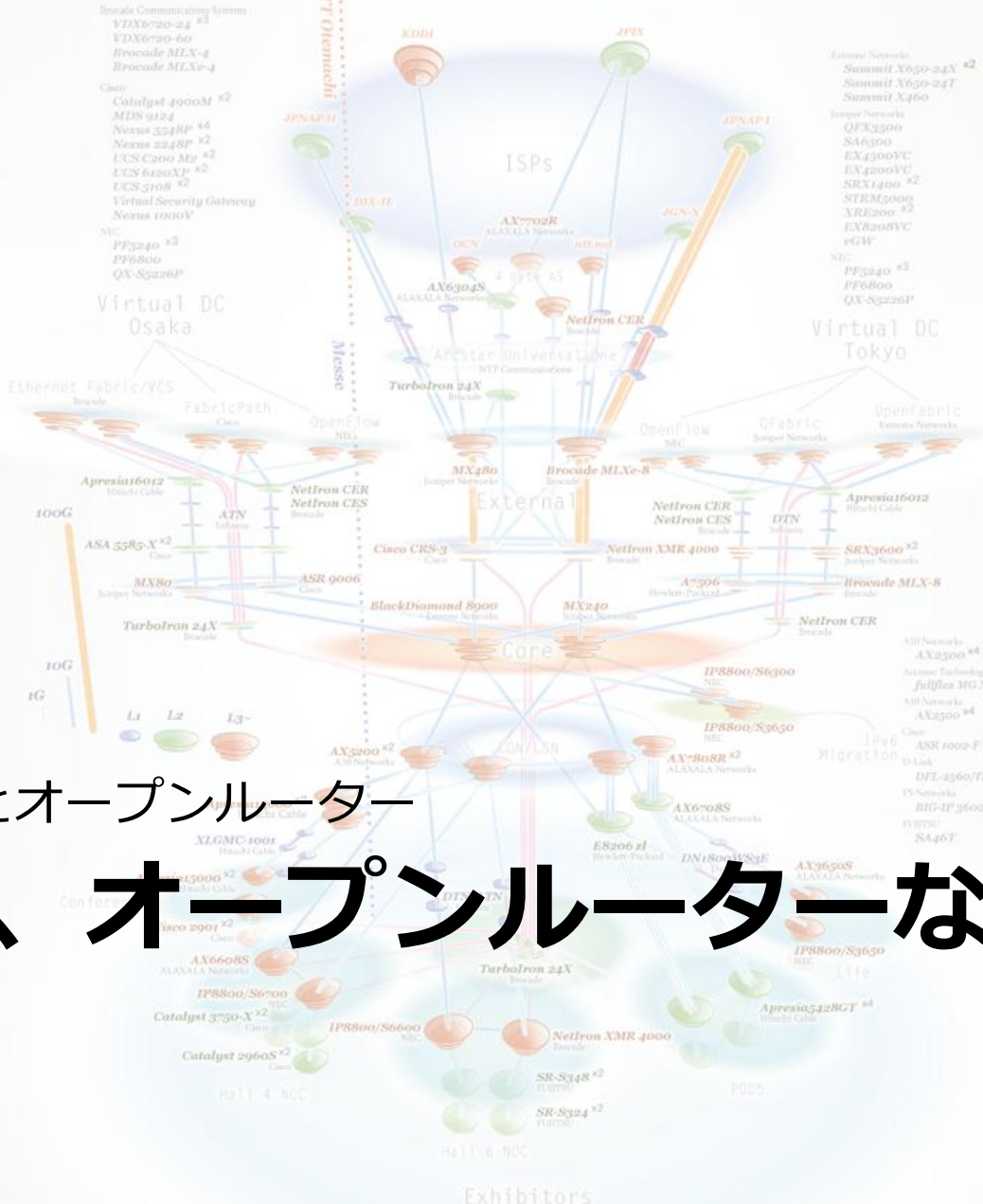
Li
L2
L3

AX3200 #2
AX6608S
IP8800/S6700
Catalyst 3750-X #2
Catalyst 2960S #2

Hall 4 NOC
Hall 6 NOC

Exhibitors

Exhibitors



External Networks
Summit X650-24V #2
Summit X650-24T
Summit X460

Juniper Networks
QFX3300
NA6500
EX4300VC
EX4300VX
SRX3400 #2
SRM5000
SRX2000 #2
EX8400VC
eGW
NIC
PF3240 #3
PF800
QX-S326P

Virtual DC
Tokyo

Open-Flow
OpenFabric
OpenFabric
Juniper Networks
Juniper Networks

NetTron CER
NetTron CES
ASR 9006
ASR 1002-F #2
DFT-2560/TF #2
BIG-IP 3600 #2
S46T

AX3200 #2
AX6608S
AX780SR #2
AX780SR #2
AX6708S
AX3650S
AX3650S

IP8800/S6300
IP8800/S3650
IP8800/S3650
IP8800/S3650
IP8800/S3650

AX3200 #2
AX6608S
IP8800/S6700
Catalyst 3750-X #2
Catalyst 2960S #2

Hall 4 NOC
Hall 6 NOC

Exhibitors

Exhibitors

SERVERS
ATN Apps
EL2900 #2
KV24400 #2
CN8000 #2

AT WORKS
Stringray WX #6
DotHR 2232
Annuitl XG2-78CSJ #2

Infoblox
Infoblox-1030-A
Infoblox-2000-A
Infoblox-1102-A NetMRI
Infoblox-uNOS

Switches
Brocade Communications Systems
Brocade6800
Gigalink64320J

Management
ALAXALA Networks
AX3640S #4
AX2430S
AX2305 #3
AX2305 #2

Brocade Communications Systems
FCX 6245 #3
DFT-2560/TF #2
BIG-IP 3600 #2
S46T

AX3200 #2
AX6608S
IP8800/S6700
Catalyst 3750-X #2
Catalyst 2960S #2

Hall 4 NOC
Hall 6 NOC

Exhibitors

Exhibitors

Exhibitors

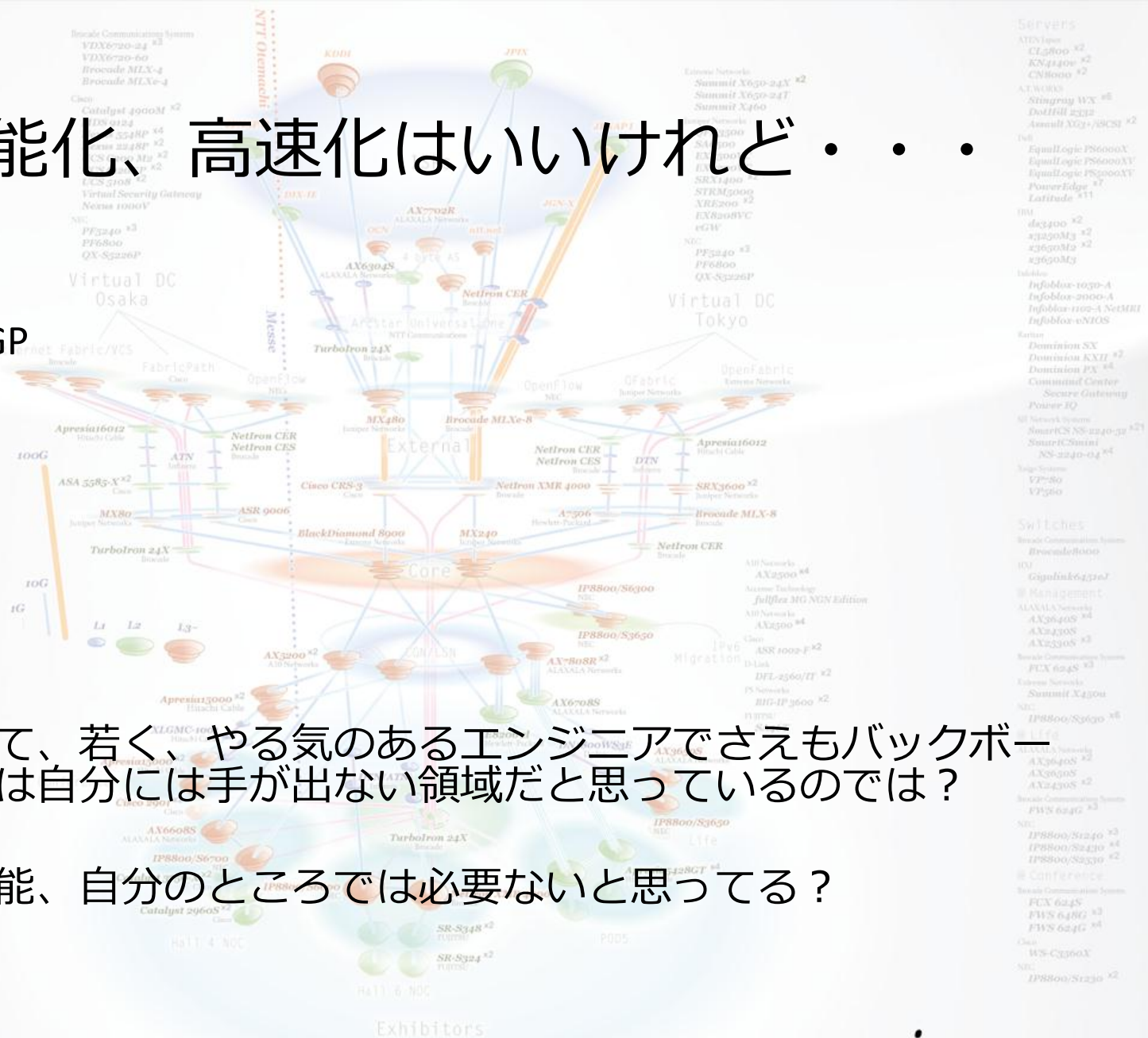
Shownetとオープンルーター なぜ、オープンルーターなのか

高機能化、高速化はいいけれど・・・

- 100Gbps
- MPLS/eBGP
- IPv6
- PBB
- TRILL
- VPLS
- 仮想化
- OpenFlow

● もしかして、若く、やる気のあるエンジニアでさえもバックボーンルータは自分には手が出ない領域だと思っているのでは？

● こんな機能、自分のところでは必要ないと思ってる？



高機能化、高速化はいいけど・・・

● お金がかかるんです
- 弊社の場合

- コスト削減の嵐
- 最近ではBOX型スイッチしか買ってません。
 - シャシー型なんて7年以上買ってません。
 - ちょっと大型なルーターなんてもっと買えません。
- IPv6対応スイッチ購入に4年かかりましたorz
- 研修用機器もままなりません。

ネットワークは動いて当たり前

● 昔は、よかった・・・

- STPの収束30秒でも文句でなかった！
- ITバブルもありました。

● いまや、動いて当たり前

- サービスレベルもぐんぐん上昇
- おいそれとテストも出来ない
- でもコスト削減

● 手が届かないだけじゃなくて、手が出しにくい環境

知人・後輩に聞いてみた

● ところでShowNetをみてくれ、こいつをどう思う？

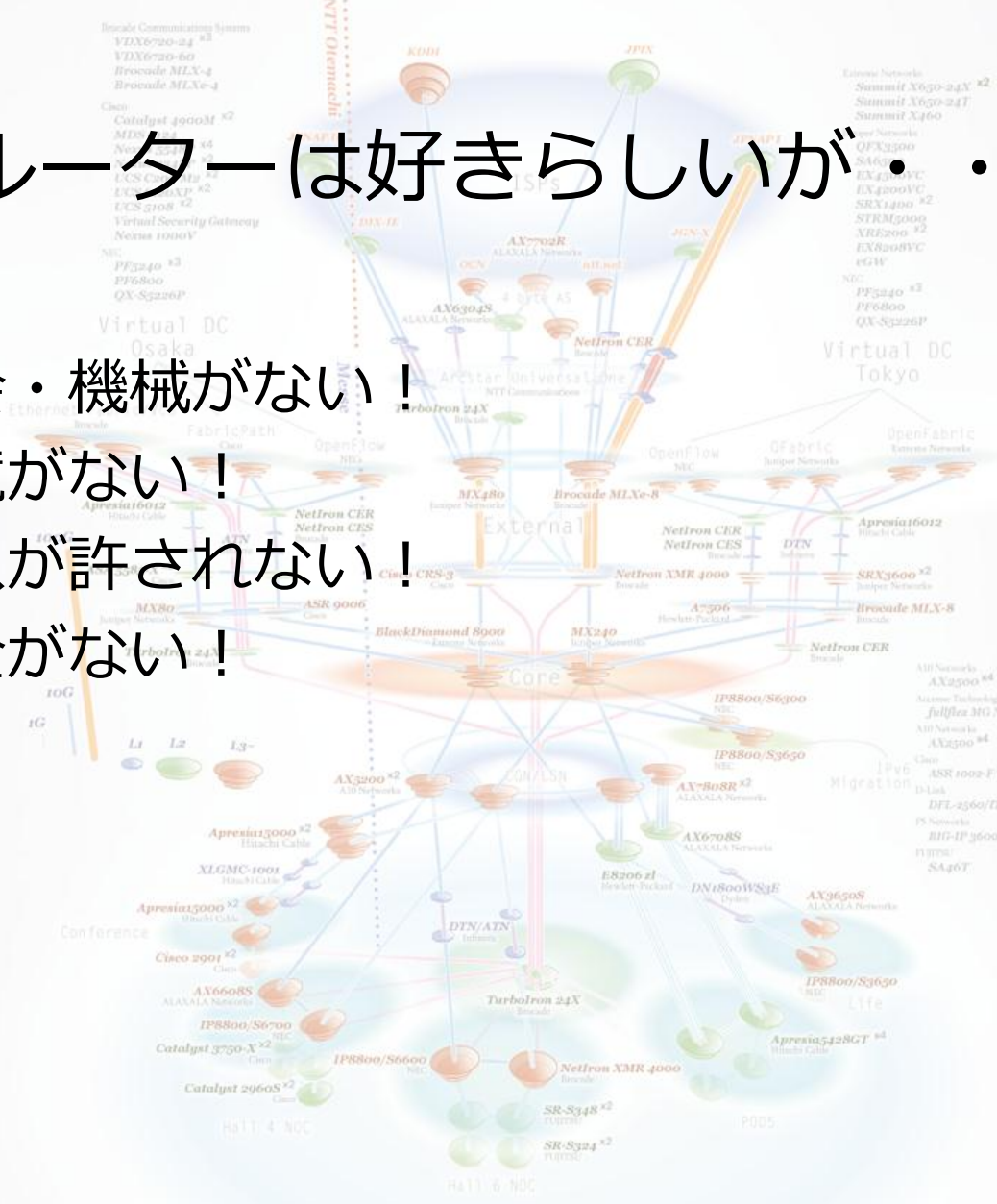
- すごく、難解です・・・
- もっと勉強してくればよかった。そしたらもっと楽しいんでしょうね～・・・
- 異世界
- きっかけすら掴めなかった
- いやー、ハイレベルすぎてうちみたいに規模の小さいところはむりかなあー

ルーターは好きらしいが...

- 機会・機械がない!
- 環境がない!
- ミスが許されない!
- お金がない!

Tester / Analyzer / Tools
 Ana Systems
 Anne XGEM *3
 Anne NTO
 CONNECTION TECHNOLOGY
 SYSTEMS
 ESH-3102 *5
 ESH-3602 *5
 Glen Teac Japan / OPTERON
 IP-LED System
 CFP-301PM *2
 CFP-301PS *26
 CFP-301P-LED *2
 IP-LED Server
 CGS-806PPB *2
 Hils
 T927
 365
 992
 Hils Networks
 DTX series *3
 OptiFiber
 SingleFiber Pro
 Fiber OneShot Pro
 Fiber QuickMap
 OptiView-XG
 Network Tune Machine
 AirCheck
 RIBBIT Leads Network Technology
 NXSSP *2
 NXSP700HX *2
 NXSP000G *2
 PULSIO PSAS
 NDT *2
 Hils
 OptiNet XM12
 NTT Communications
 Biz Hosting Basic
 NTT Communications / NTT
 mailto *2
 SAMURAIe3
 SASUKE
 Packet Design
 Route Explorer
 SIBO PRODUCTS
 TS-2210
 TM-2110
 TD-200V6
 TD-200 *8
 TX-3740
 SII Network Systems
 EXAtrial NS-7100
 SmartEMT NS-2110-10 *2
 SmartEMT NS-2110-16 *14
 Sprint Communications
 Sprint TestCenter *3
 Avaulink3100
 Lundhale1100
 Security
 Avance Technology
 fullflex
 ARXON
 IntellaPatch 3000
 Sifer Networks
 arbor peakflow 51P
 Glenmarq Networks
 Intelligent Optical
 System 100
 Inopse Networks
 SRX3600
 MAG2600
 NCT
 nieter
 daedalus

Wireless
 Cisco
 WLC CT350S *2
 2310 MSE
 WCS
 Aironet 3500 *6
 Aironet 1262 *12
 Aironet 1232 *5
 Extreme Networks
 Summit WM3600
 Altitude 4600 *15
 PULSIO SYSTEMS
 UNIFAS
 Managed Server
 ACERA800 *20



SERVERS
 ATN Iwase
 CL2800 *2
 KV24100 *2
 CN8000 *2
 AT WORKS
 Stingray WX *6
 DoDHR 2232
 Ansumit XG2-78CS *2
 Dell
 EquiLogic P8600AX
 EquiLogic P8600AXV
 EquiLogic P85000AXV
 PowerEdge *7
 Latitude *11
 IBM
 dx3400 *2
 x3250M3 *2
 x3650M2 *2
 x3650M3
 Infoblox
 Infoblox-1030-A
 Infoblox-2000-A
 Infoblox-1102-A NetMRI
 Infoblox-NIOS
 Karim
 Dominion SX
 Dominion KVM *2
 Dominion PX *4
 Commvault Center
 Secure Gateway
 Power IQ
 SII Network Systems
 SmartCS NS-2140-32 *1
 SmartCS Smart1
 NS-2140-04 *4
 Sage Systems
 V7780
 V7510
 Switches
 Brocade Communication Systems
 Brocade8000
 I/O
 Gigalink64320J
 Management
 Alaxala Networks
 fullflex MG-NGN Edition
 All Networks
 AX2500 *4
 Cisco
 ASR 1002-F *2
 D-Link
 DFL-2360/TF *2
 PS Networks
 BIG-IP 3600 *2
 FIBRE
 SA46T
 Migration
 IPFG
 All Networks
 AX2500 *4
 Alaxala Networks
 fullflex MG-NGN Edition
 All Networks
 AX2500 *4
 Cisco
 ASR 1002-F *2
 D-Link
 DFL-2360/TF *2
 PS Networks
 BIG-IP 3600 *2
 FIBRE
 SA46T
 Brocade Communication Systems
 FCX 624S *3
 Extreme Networks
 Summit X4200
 NCT
 IP8800/S3650 *6
 Life
 Alaxala Networks
 AX2640S *2
 AX3650S
 AX2430S *2
 Brocade Communication Systems
 FWS 624G *3
 NCT
 IP8800/S1240 *3
 IP8800/S2430 *8
 IP8800/S2530 *2
 Conference
 Brocade Communication Systems
 FCX 624S
 FWS 624G *3
 FWS 624G *4
 Cisco
 WS-C3260X
 NCT
 IP8800/S1230 *2

Tester / Analyzer / Tools

Anna XGEM #3
Anna NTO

CONNECTION TECHNOLOGY SYSTEMS
ESH-3103 #5
ESH-3603 #5

Clear Trace Japan / OPTICOM
IP-LED System
CFP-301PM #2
CFP-301PS #26
CFP-301P-LED #2
IP-LED Server
CGS-806PPB #2

File
T107
952

File Networks
DTX server #3
OptiFiber
SimpleFiber Pro
Fiber OneShot Pro
Fiber QuickMap
OptiView-XG
Network Time Machine
AirCheck

IEEE802.11n Network Technologies
NXSSP #2
NXS7004X1 #2
NXS7000G #2

PERFORMANCE
NDT #2

File
OptiNet XM12
NTT Communications
Bio Hosting B

NTT Communications / Life
mailto #2
SAMURAI3
SASAKE

Packet Route
Route Explorer

SHOHO PRODUCTION
TS-2210
TM-2110
TD-200V6
TD-200 #8
TX-3740

SI Network Systems
EXAtrial NS-7100
SmartEMT NS-2110-10 #2
SmartEMT NS-2210-10 #14

Spiral TestCenter #3
Avanuh37100
Lundblad1100

Security

Avanue Technology
fullflex
ARXON
IntellaPatch 3000

Siber Networks
arbor peakflow 51P
Glenberg Networks
Intelligent Optical System 100

Juniper Networks
SRX3600
MAG2600

NET
neter
daedalus

Wireless

Clear
WLC CT330S #2
2310 MSE
WCS

Aironet 3500 #6
Aironet 1262 #12
Aironet 1232 #5

Extreme Networks
Summit WM3600
Altitude 4600 #15

PURENO FUTURE
UNIFAS
Managed Server
ACERA800 #20

Brocade Communications Systems
VDX6720-24 #3
VDX6720-60
Brocade MLX-4
Brocade MLX-4

Clear
Catalyst 4900M #2
MDS 9124
Nexus 5548P #4
Nexus 2248P #2
UCS C200 M1 #2
UCS 6120XP #2
UCS 5108 #2
Virtual Security Gateway
Nexus 1000V

NET
PF3240 #3
PF800
QX-S326P

Virtual DC
Osaka

Ethernet Fabric/VCS
FabricPath
Open-Flow
NET

Apresia16012
Hitachi Cable
ATN
Hitachi Cable
Netron CER
Netron CES
Hitachi Cable

TurboIron 24X
Hitachi Cable

ASR 9006
Cisco

BlackDiamond 8000
Extreme Networks

AX3200 #2
A30 Networks

AX6608S
ALAXALA Networks

IP8800/S6700
Hitachi Cable

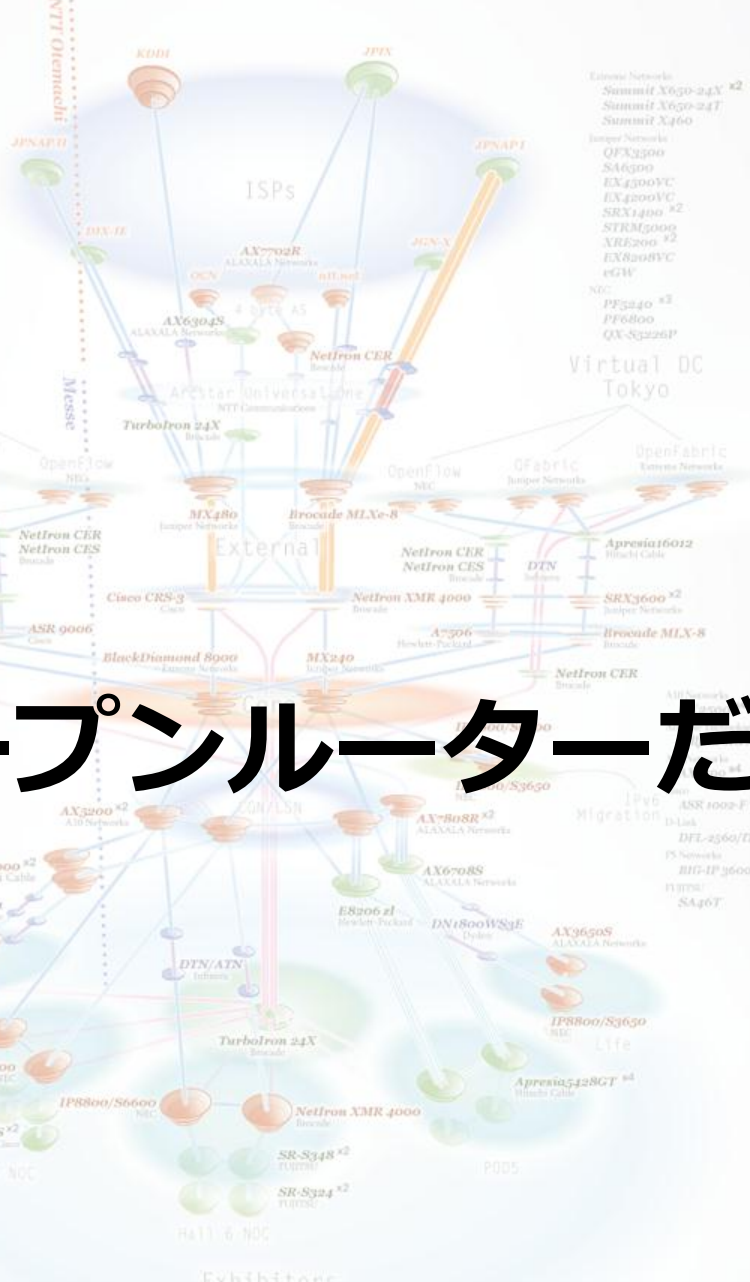
Catalyst 3750-X #2
Cisco

IP8800/S6600
NET

Catalyst 2960S #2
Cisco

Hall 4 NOC

Hall 6 NOC



よろしい、
ならばオープンルーターだ！！

- SERVERS
- ATN Server
EL2900 #2
KV2420 #2
CN8000 #2
- AT WORKS
Stringray WX #6
DotHR 2232
Annul XG2-8RCSJ #2
- Life
EqualLogic P8600AX
EqualLogic P8600AXV
EqualLogic P8500AXV
PowerEdge #7
Latitude #11
- IBM
dx3400 #2
x3250M3 #2
x3650M2 #2
x3650M3
- Infoblox
Infoblox-1030-A
Infoblox-2000-A
Infoblox-1102-A NetMRI
Infoblox-uNOS
- Carbon
Dominion SX
Dominion KXT #2
Dominion PX #4
CommuniCenter
Secure Gateway
Power IQ
- SI Network Systems
SmartCS NS-2240-32 #21
SmartHC20041
NS-2240-64 #4
- Edge Systems
VF780
VF510
- Switches
- Brocade Communications Systems
Brocade8000
- ITU
Gigalink64320J
- Management
ALAXALA Networks
AX3640S #4
AX2430S
AX230S #2
- Brocade Communications Systems
FCX 624S #3
- Extreme Networks
Summit X4200
- NET
IP8800/S3600 #6
- Life
ALAXALA Networks
AX3640S #2
AX3630S
AX2430S #2
- Brocade Communications Systems
PWS 624G #3
- NET
IP8800/S1240 #3
IP8800/S240 #4
IP8800/S230 #2
- Conference
- Brocade Communications Systems
FCX 624S
PWS 624G #3
PWS 624G #4
- Clear
WS-C3260X
NET
IP8800/S1230 #2

オープンルータが活発になれば！？

● 若者たちが気軽にチャレンジできる環境がととのう。

- 普段気ままに触れるオープンルータが、高度なShowNet上で動く実例が！

● ShowNet との連動で、新しいオープンルータの発見と、運用方法が見つかる！

● ShowNetで動いたものが、気軽に使える！

相互接続

● オープンルーターで、ShowNetと相互接続しようよ！

- フルルート喰ってみませんか？

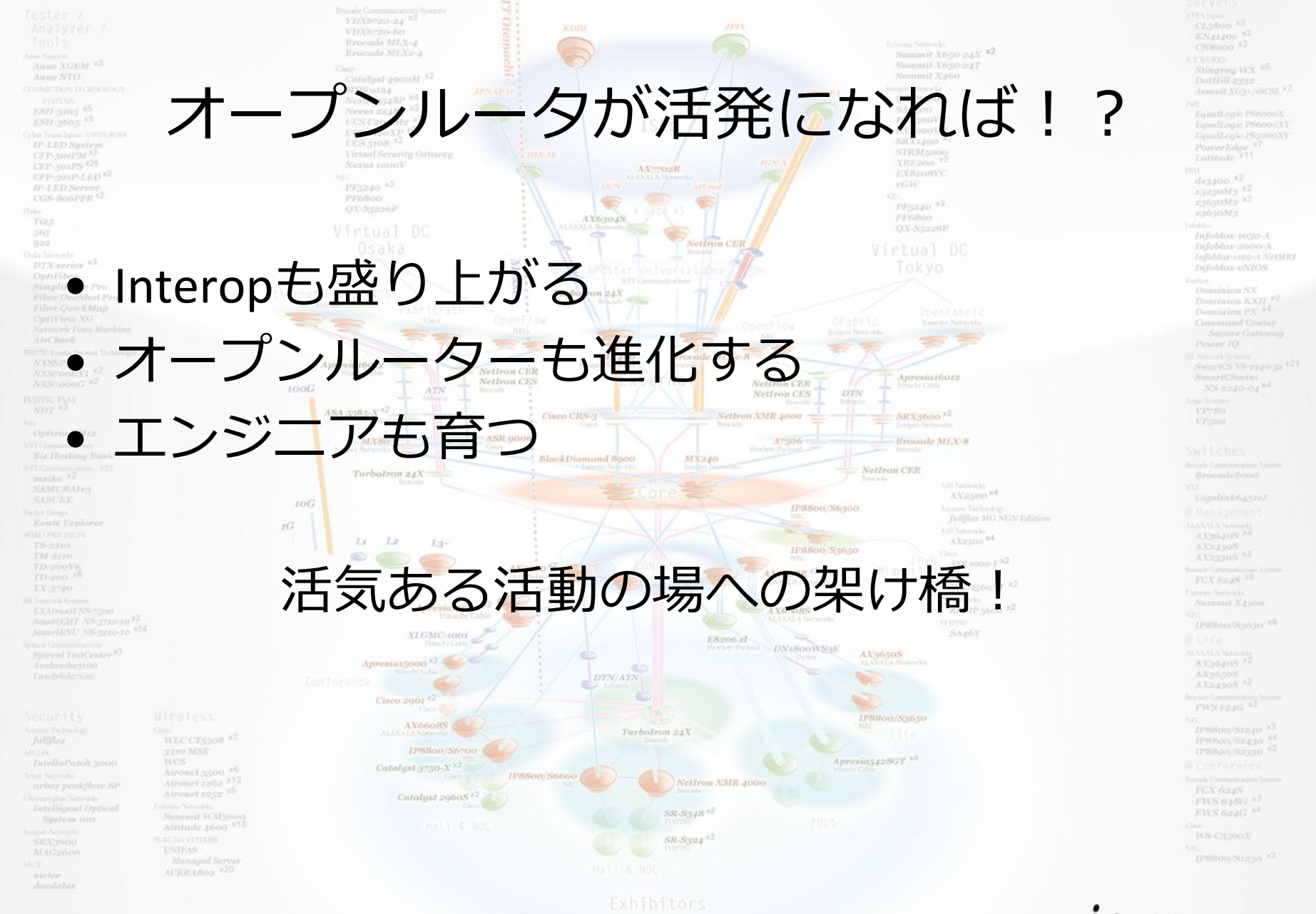
- 負荷発生装置と勝負してみませんか？

- ShowNetに参加しませんか？

オープンルーターが活発になれば！？

- Interopも盛り上がる
- オープンルーターも進化する
- エンジニアも育つ

活気ある活動の場への架け橋！



Tester / Analyzer / Tools

Other Tools
Anne XGEM #3
Anne NTO
CONNECTION TECHNOLOGY
SYSTEMS
ESH-3102 #5
ESH-3602 #5
Giga-Tron Japan / OPTICRON
IP-LED System
CFP-301PM #2
CFP-301PS #26
CFP-301P-LED #2
IP-LED Server
CGS-806PPB #2

File
T102
365
922
Fiber Networks
DTX series #3
OptiFiber
SimpliFiber Pro
Fiber OneShot Pro
Fiber QuickMap
OptiView-XG
Network Tissue Machine
AirCheck

ETHERNET Switch Technologies
NYSSEP #2
NYS7004X1 #2
NYS7006G #2
FIBER OPTIC PAS
NDT #2

Ita
OptiStar XM12

NTT Communications
Biz Hosting Basic

NTT Communications / NTT
mailto #2
SAMURAIe3
SASUKE

Packet Design
Route Explorer
SERO PRODUCTS
TS-2210
TM-0110
TD-200V6
TD-200 #8
TX-3740

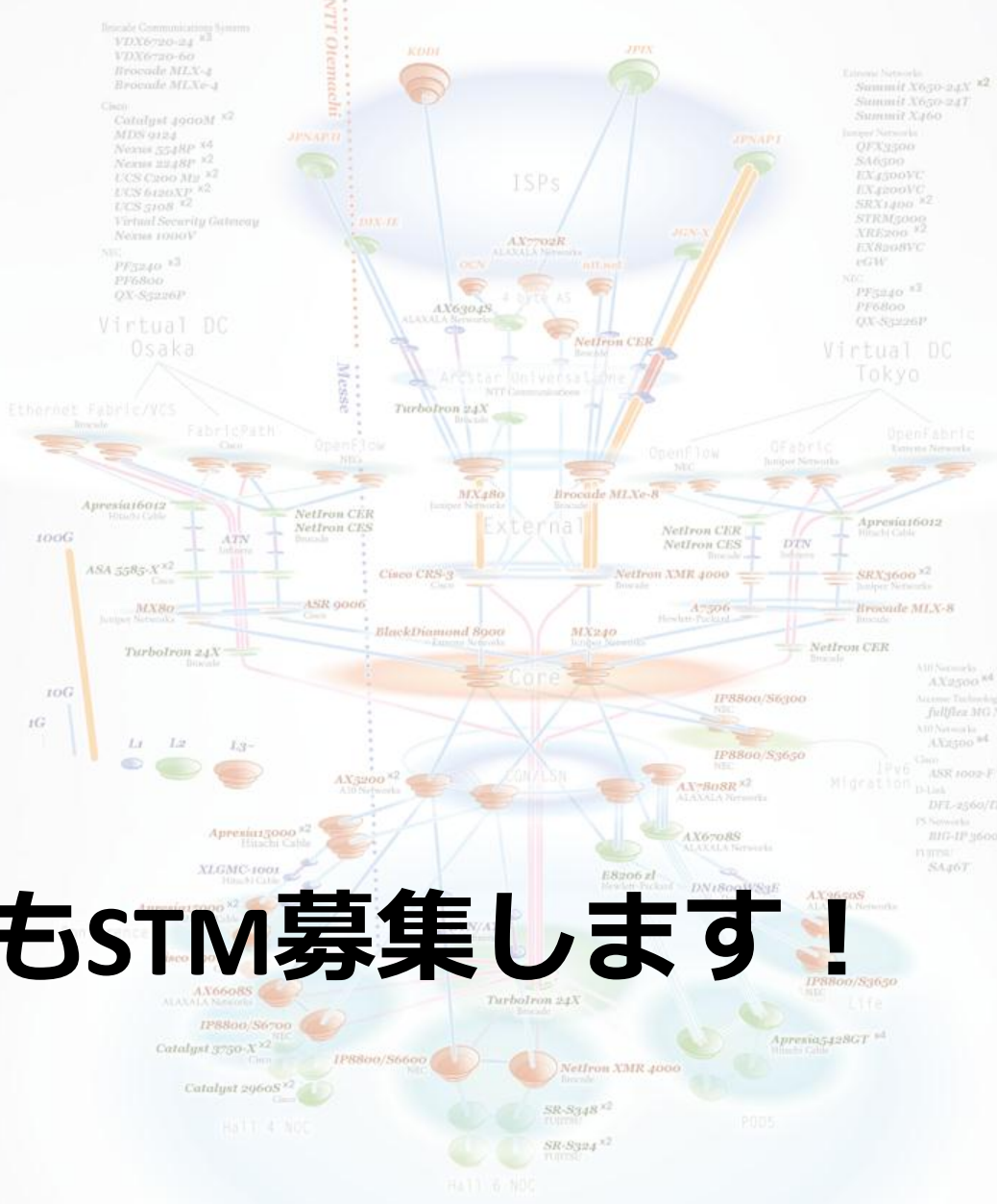
SD Network Systems
EXAwell NS
SmartEMT NS
SmartEMT NS-2210-10 #14

Spiral TestCenter
Avanuh31310
Lundhal310

Security

Avance Technology
fullflex
ARXIN
IntellaPatch 3000
Siber Networks
arbor peakflow 51P
Glenmar Networks
Intelligent Optical System 100
Insiper Networks
SRX3600
MAG2600
NET
neter
doeduhix

Wireless
Clear
WLC CT330S #2
2370 MSE
WCS
Aironet 3500 #6
Aironet 1262 #12
Aironet 1232 #5
Extreme Networks
Summit WM3600
Altitude 4600 #15
FURUNO FUTURE
UNIFAS
Managed Server
ACERA802 #20



ShowNet

今年もSTM募集します！

Exhibitors

INTEROP
TOKYO | 7-10 JUNE, 2011

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#sh.net
> The Reality

#show.net ←

> You'll be a good STM, right?

イベントはどこも同じだと
考えていませんか?

ShowNet **STM プログラム**ならではの **3** つの特徴

#1 様々なネットワーク機器・新技術に触れることができる!

実際のネットワークを、最新機器・最新技術を使って構築することができます。
他のイベントではこんなことはできません!

#2 技術のスペシャリストと共に仕事をする事ができる!

共にネットワーク構築をする NOC メンバーやベンダースペシャリストは、
技術のスペシャリストです。技術的に多くのことを学ぶことができますし、
普段は聞けない情報を聞くこともできます。

#3 仲間を作れる!

NOCメンバー、ベンダースペシャリストに限らず、ネットワーク分野に
関連している様々な人たちと仲良くなることができます。また、当然のことながら
共にネットワーク構築を行ったSTMメンバー同士、強い絆を作ることができます。

INTEROP®

ShowNet Team Member
STM 募集中

若さで駆ける!!

私が指導します



入隊受付中! 募集開始 3/1

詳しくはTwitterで! @ShowNet_NOCTeam

INTEROP
TOKYO | 7-10 JUNE, 2011

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#sh.net ←
> The Reality

Tester / Analyzer / Tools

Other Tools
Anne XGEM #3
Anne NTO

CONNECTION TECHNOLOGY
SYSTEMS
ESH-3102 #5
ESH-3602 #5

Other Tools (Japan / OPG/OSM)
IP-LED System
CFP-301PM #2
CFP-301PS #26
CFP-301P-LED #2
IP-LED Server
CGS-8000PB #2

Other Tools
T92
365
922

Other Tools
DTX series #3
OptiFiber
SimpleFiber Pro
Fiber OneShot Pro
Fiber QuickMap
OptiView-XG
Network Tissue Machine
AirCheck

Other Tools (Elastic Network Technologies)
NXSSP #2
NXS7004X1 #2
NXS7000G #2

Other Tools (PDS)
NDT #3

Other Tools
OptiStar 1.1/1P

Other Tools (NTT Communications)
Biz Hosting Basic

Other Tools (NTT Communications / NTT)
mailko #2
SAMURAIe3
SASUKE

Other Tools (Packets Design)
Route Explorer

Other Tools (SERO PRODUCTION)
TS-2210
TM-2110
TD-200V6
TD-200 #8
TX-3740

Other Tools (SII Network Systems)
EXAtrial NS-7200
SmartCS NS-2240-32
SmartCS NS-2240

Other Tools (Spiral Tech Center)
Avanuhall3100
Lundhall3100

Other Tools (Security)

Other Tools (Arctic Technology)
fullflex

Other Tools (ARCON)
IntellaPatch 3000

Other Tools (Siber Networks)
arbor peakflow 51P

Other Tools (Glenmarq Networks)
Intelligent Optical System 100

Other Tools (Juniper Networks)
SRX3600
MAG2600

Other Tools (NET)
neter
daedalus

- web
- <http://www.interop.jp/2012/shownet/index.html>

- twitter (@ShowNet_NOCTeam)
- https://twitter.com/ShowNet_NOCTeam

- facebook
- 準備中

