



Holist-IX

Beta Testing Campaign

APIX#23 - 1st March 2021





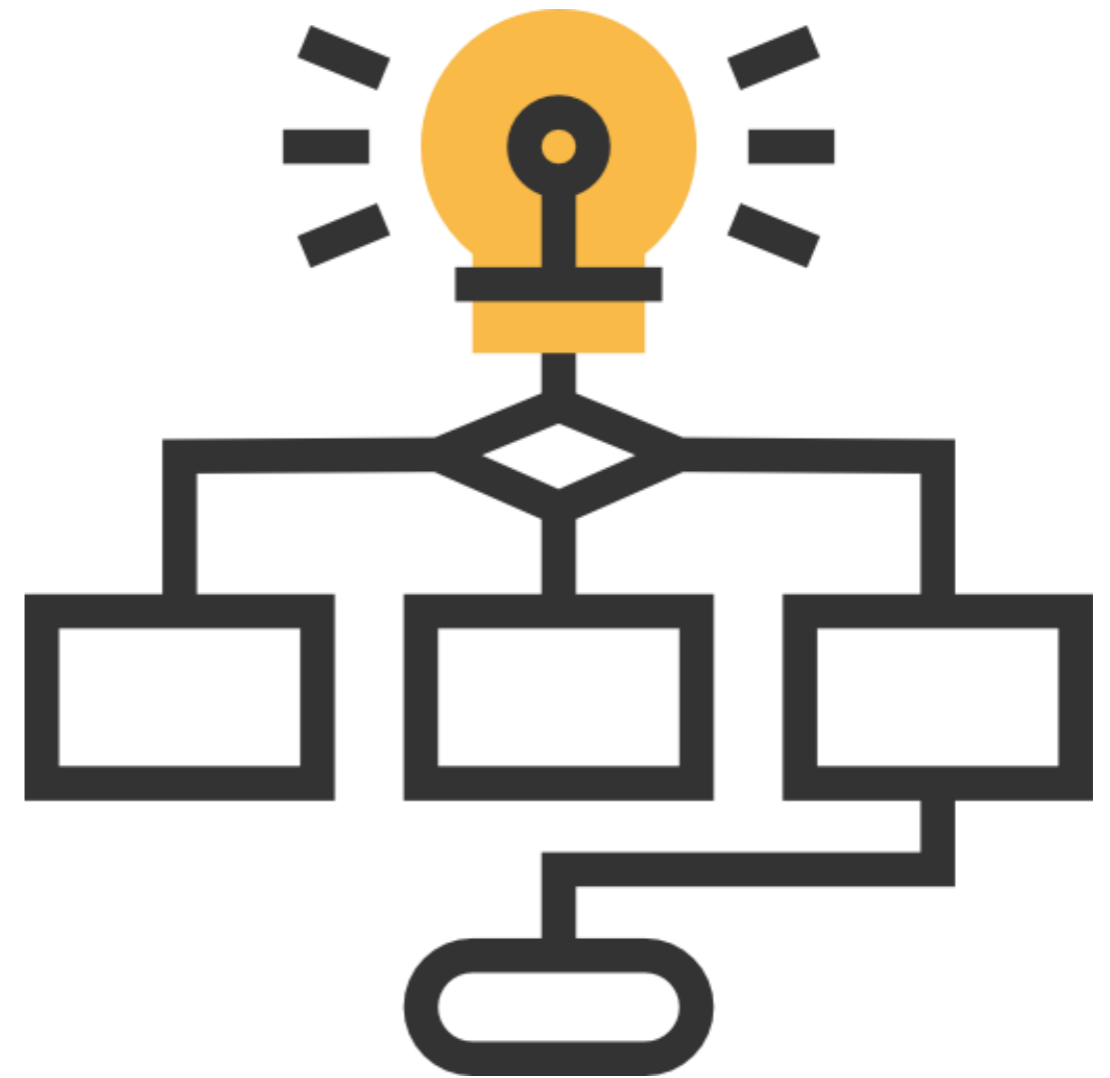
HOLISTIX

Workflow

Planning

Verify

Deploying





Join the global community of trusted IXPs

IXP Manager is trusted by at least 151 IXPs worldwide and has an industry reputation of helping build secure, reliable and standards-compliant IXPs.



Teaches and implements best practice

IXP Manager has been developed at INEX in Dublin, Ireland since 2005 and it is infused with 60 years of knowledge and experience of its globally respected team.



MANRS Compliant

Security is always a primary goal for IXP Manager and it delivers all of the technical requirements of the [MANRS IXP Programme](#) to IXPs using the platform.



Full stack management platform

IXP Manager has a complete web management interface, port graphing, member and user management, reporting, member portal, and much more.



Do more with less

One of the design goals of IXP Manager is to automate repeatable actions, enable IXP operators to work smarter and to accelerate the provision of technical support.

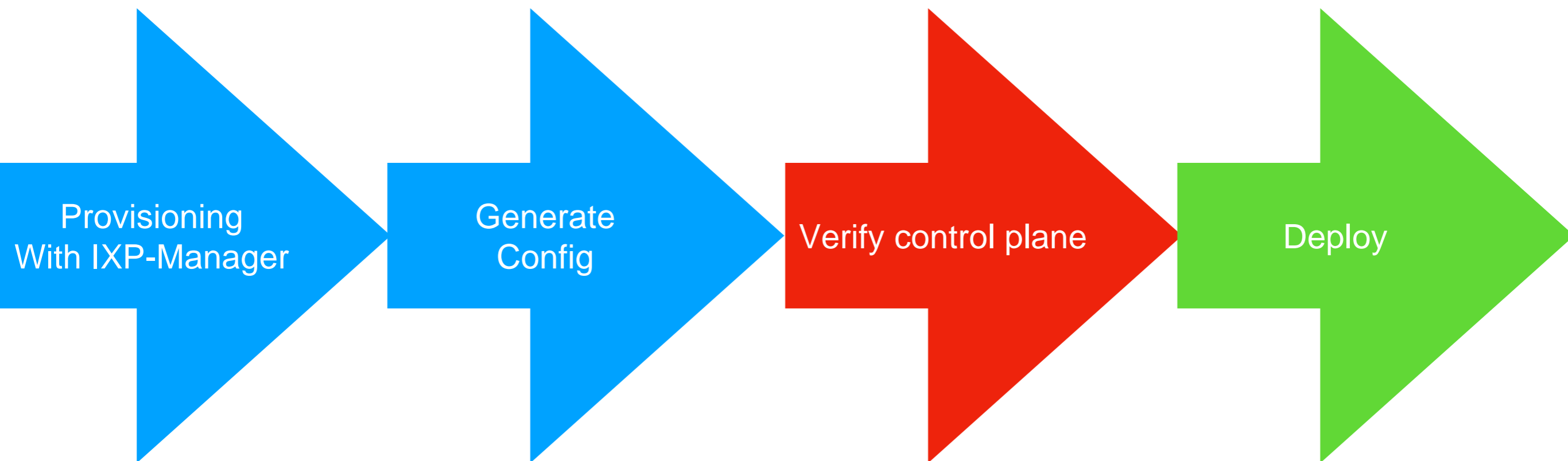


Route server configuration

Route servers are essential IXP infrastructure and IXP Manager generates a [MANRS-compliant configuration](#), supports both IRRDB and RPKI filtering and has a built in looking glass.

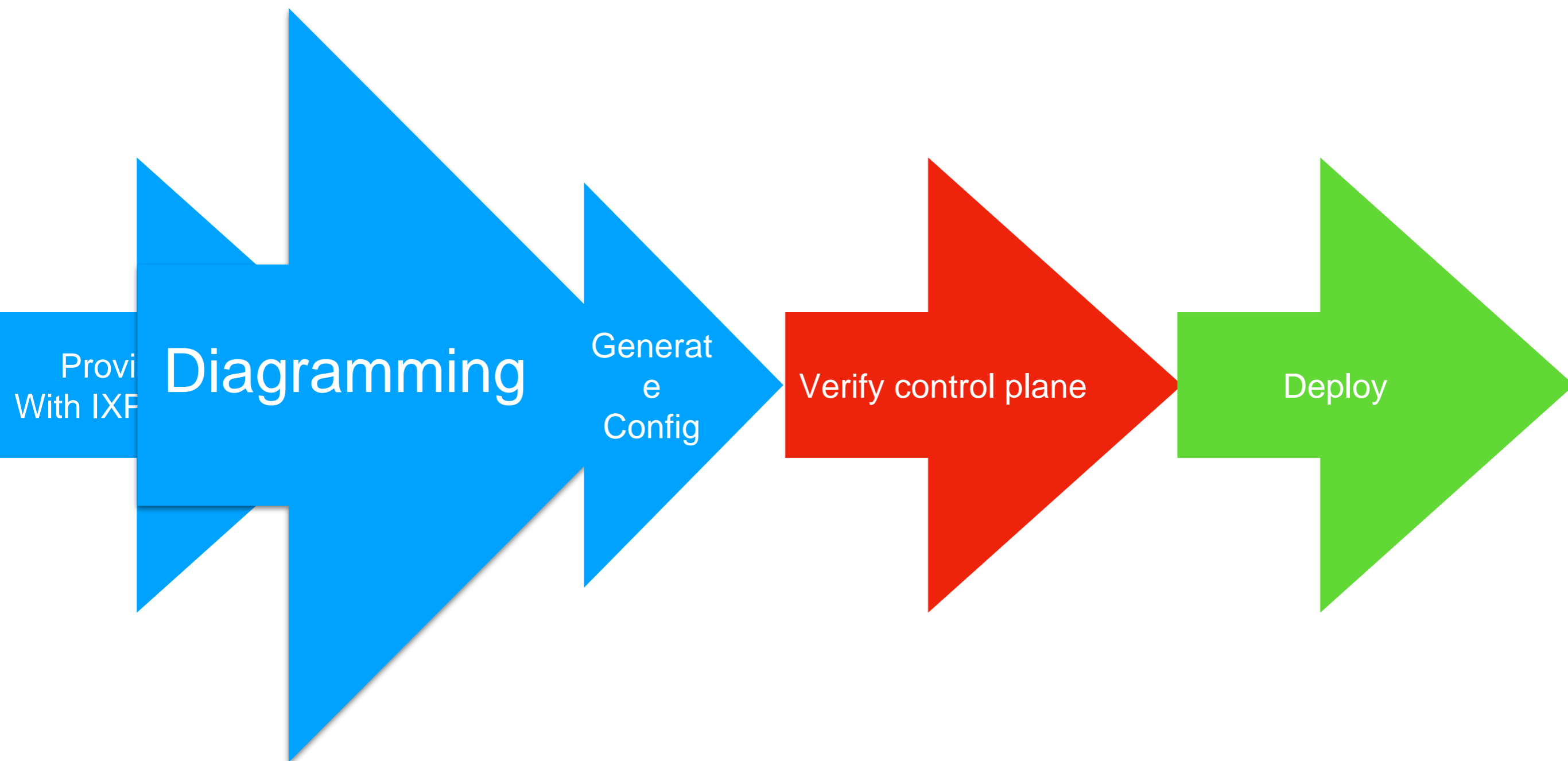


Connecting a new member





Changing switching fabric





Search for... ?

MIRU

File Edit View Arrange Extras Help

100%

General



Switches



Athos output

```
*** Results: 0% dropped (110/110 received)
*** Ping: testing ping6 reachability
Testing reachability for hosts with vlan: none
SCIX -> AlphaCor AcmeInte Beta Charlie IIJ DeltaInt EchoInte Foxtroti VEONGrou test
AlphaCor -> SCIX AcmeInte Beta Charlie IIJ DeltaInt EchoInte Foxtroti VEONGrou test
AcmeInte -> SCIX AlphaCor Beta Charlie IIJ DeltaInt EchoInte Foxtroti VEONGrou test
Beta -> SCIX AlphaCor AcmeInte Charlie IIJ DeltaInt EchoInte Foxtroti VEONGrou test
CharlieI -> SCIX AlphaCor AcmeInte Beta IIJ DeltaInt EchoInte Foxtroti VEONGrou test
IIJ -> SCIX AlphaCor AcmeInte Beta CharlieI DeltaInt EchoInte Foxtroti VEONGrou test
DeltaInt -> SCIX AlphaCor AcmeInte Beta CharlieI IIJ EchoInte Foxtroti VEONGrou test
EchoInte -> SCIX AlphaCor AcmeInte Beta CharlieI IIJ DeltaInt Foxtroti VEONGrou test
Foxtroti -> SCIX AlphaCor AcmeInte Beta CharlieI IIJ DeltaInt EchoInte VEONGrou test
VEONGrou -> SCIX AlphaCor AcmeInte Beta CharlieI IIJ DeltaInt EchoInte Foxtroti test
test -> SCIX AlphaCor AcmeInte Beta CharlieI IIJ DeltaInt EchoInte Foxtroti VEONGrou
*** Results: 0% dropped (110/110 received)
*** Stopping 1 controllers
faucet
*** Stopping 20 links
.....
*** Stopping 6 switches
c101 c102 s1 s2 s3 s4
*** Stopping 11 hosts
h1 h2 h3 h4 h5 h6 h7 h8 h9 h10 h11
*** Done
Success with no packet loss
```

Download logs Download Topology json Download YAML config Cancel Confirm

IXP MEMBER ACTIONS

- Members
- Interfaces / Ports
- Patch Panels
- Users
- Contacts
- Colocated Equipment

IXP ADMIN ACTIONS

- Console Servers
- Document Store
- Facilities
- Infrastructures
- IP Addresses
- IRRDB Configuration
- MAC Addresses
- Racks
- Routers
- Switches
- Vendors
- VLANs

IXP STATISTICS

- Member Statistics



Conclusion

- Planning > Verify > Deploy
- Multi-vendor & Management-less F
- Beta campaign opening today

Contact Chris Visser or me
on Zoom chat
now

<https://eng-blog.iij.ad.jp/archives/7954>
<https://holistix.iijlab.net/>



HOLISTIX



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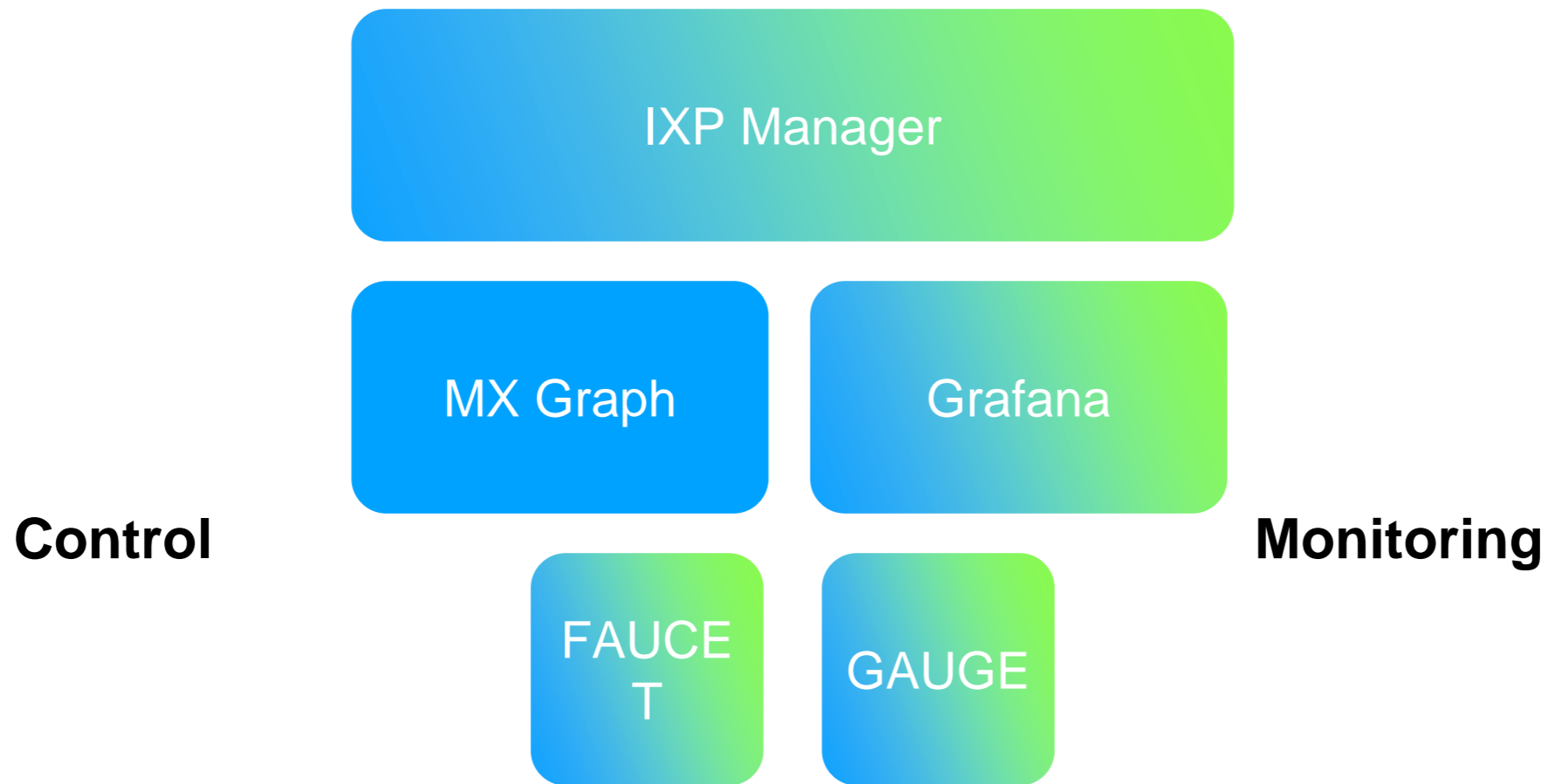
&

christoff@iiij.ad.jp



HOLISTIX

Architecture



Umbrella switching fabric

Arista

Cisco

Allied
Telesis

Noviflow

HPE Aruba

Umbrella
Core
P4 - Tofino