





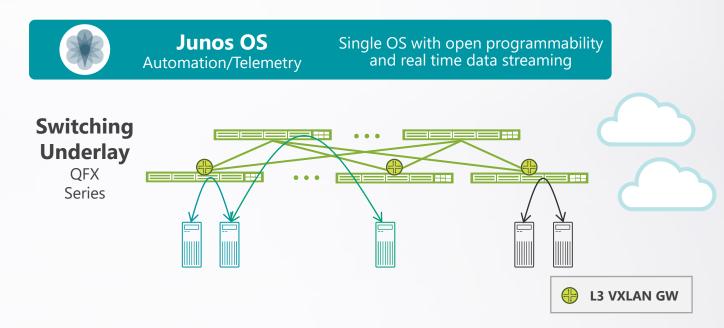


Automated data center

Standard, automated fabrics

- Intent-based, assured operations with root cause identification
- Automated fabric management
- Self-service and DevOps extensions (infra as code)
- Open, programable infrastructure, rich telemetry
- Scalable EVPN-VXLAN for a range of environments





Apstra for your business



Scale, performance and function

"Apstra's system gives us a single view into the entire media production network regardless of our devices, switches, operating systems or vendors."

- Bloomberg



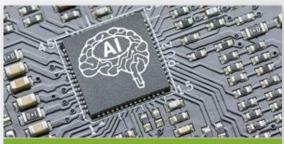
Ease of use and time savings

"We went from POC to production in 2 weeks." - BeElastic



TCO savings

"In the previous solution there were 8 people managing the network, that number went down to 2." - Global 500 Manufacturer



Self-driving network

"Our success depends on rapidly introducing new services, quickly scaling to new demand and delivering the assured experiences. Juniper and Apstra joining forces as one company helps T-Systems"

- T-Systems

Bloomberg



T··Systems·





Feature Development for Rel 4.2.0

Discover the full list of new features grouped per theme

Validated Network Reference Designs



- Integrated Data Center Interconnect: VXLAN Stitching
- Adding MAC-VRF support for Junos
- Intelligently Render VRF/RZ

User Experience



- GUI UX Enhancements and Streamlined Workflows
- Developer Experience Enhancements
- Apstra ZTP GUI

Operations



- Apstra Central: UI prototype
- Custom Telemetry Collection
- Automatic Baselining and Trend Analysis

Platform & Multi-Vendor

ACX7024, vJunos-switch, and vJunosEvolved



- Up-To-Date NOS Qualification
- Continued Multi-Vendor Investment and improving EVPN interoperability
- FIPS Certification

Custom Telemetry Collection

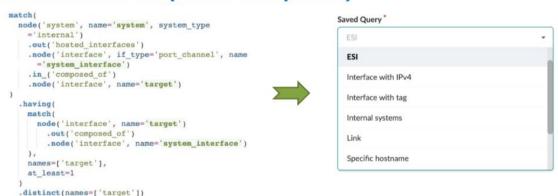
Define new data collection in minutes .. and use it in IBA!

1) Define a custom collector for new telemetry ingestion

```
class BgpRouteCollector(BaseTelemetryCollector):
    def __init__(self, *args, **kwargs):
        super(BgpRouteCollector, self).__init__(*args, **kwargs)
        self.error_msgs = []
        self.bgp_route_info = {}
        self.v6_nbr_key = None
        self.vrf_collector = None
Select

Show route receive-protocol bgp
```

2) Get rid of the GraphDB complexity





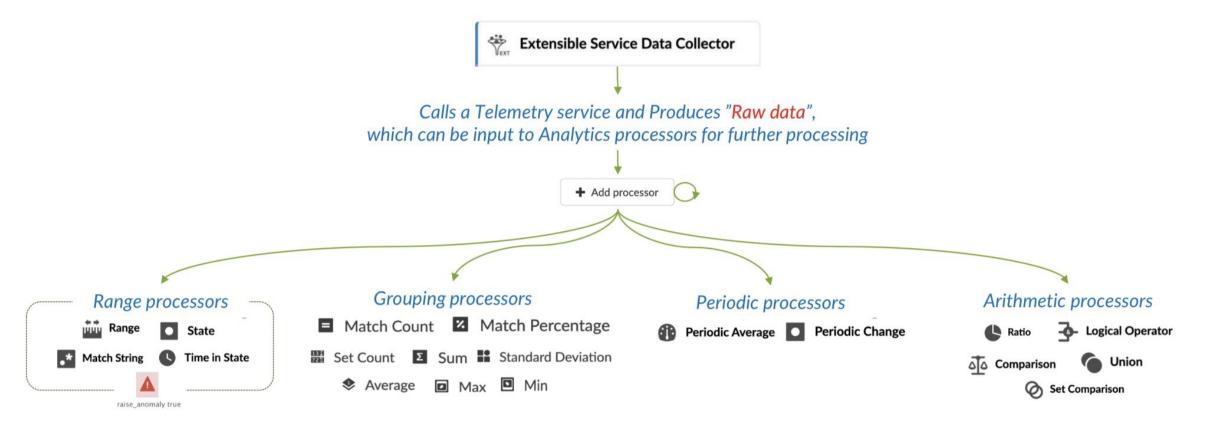
Get your Super IBA powers with Apstra 4.2

Any Juniper platform, Any Version, Any CLI command

3) Leverage the IBA toolkit



Data Collection - Useful if you implement Analytics on top of it





IBA lets you automate knowledge extraction by defining an Analytics Pipeline. Extract insights out of "Raw data".

JUNIPER.

^{*:} Not all in/out processors chaining are possible, depends on data-type and other factors. Enhancements planned for future releases.

Vijendra Pratap Singh

Recognition

Gartner

2020 Magic Quadrant **LEADER** Data Center and Cloud Networking



FORRESTER®

"The vendor has a **strong portfolio of hardware and software**, with feature depth & excellent automation capabilities. As a result, the vendor can meet the technical needs of nearly all use cases in this market"

"Juniper Networks recognizes that customers need more than technology and products. **Customers that** want to automate the entire network with a consistent OS, from the data center to the business edge, should look to Juniper Networks."



Gartner Cool vendor in enterprise networking



Best of VMworld winner

Intent-based Networking Systems

IBNS can reduce network infra. delivery times by 50%-90%.

IBNS can reduce the number and duration of outages by at least 50%.

Gartner

Learn it. Try it. (for free)





Juniper vLabs

https://vlabs.juniper.net

- Cloud-based lab environment
- Virtualized, pre-built network topologies
- Available on-demand for free!

