Circuit Maintenances: Automated ✅

NANOG 86

Presenter: Josh VanDeraa

>>> Introduction

Josh VanDeraa
- Managing Consultant at Network to Code
  - Involved in network automation projects for the past 3 years constantly
  - Automating networks for 7 years
- Retail networking for half of career, doing things on scale in a cookie cutter environments
- Dove into Network Automation in 2015 and have enhanced my skills constantly since then
- Over 20 years in the industry, primarily supporting enterprises
- Author of **Open Source Network Management** book

>>> Agenda

Circuit Maintenance Problem
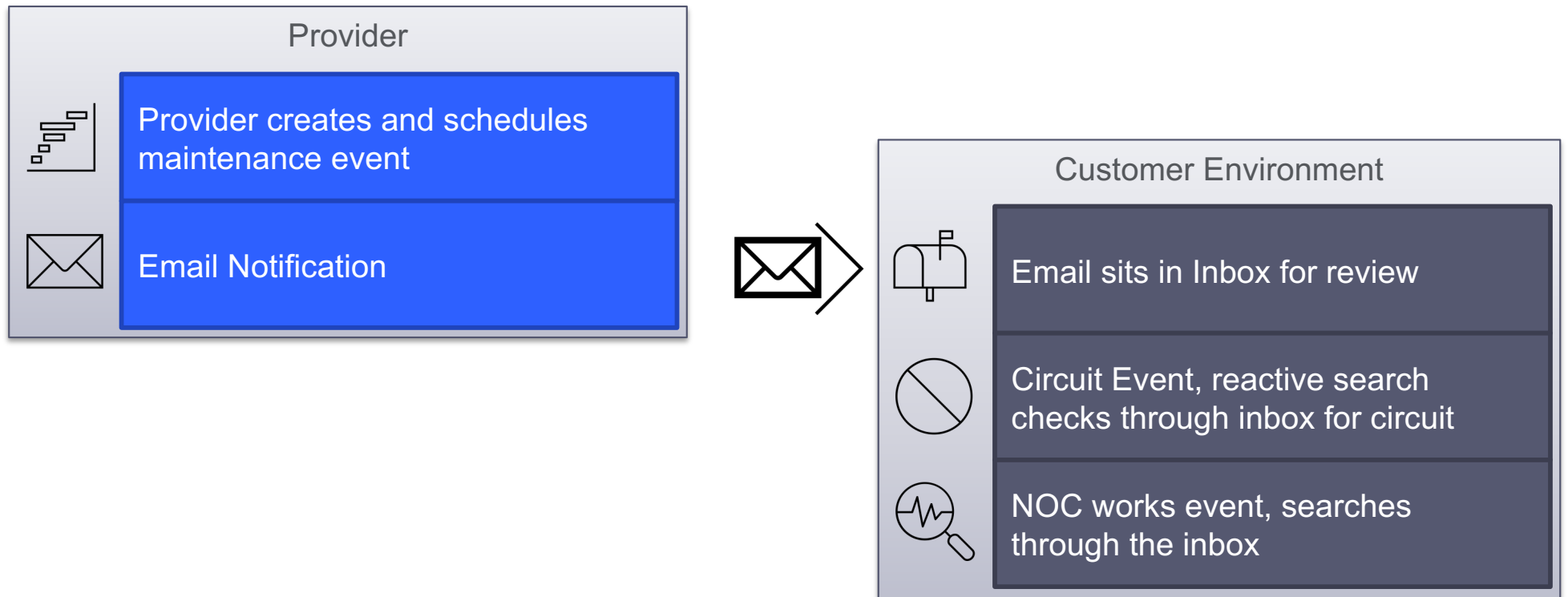
Automating Circuit Maintenances

Demo

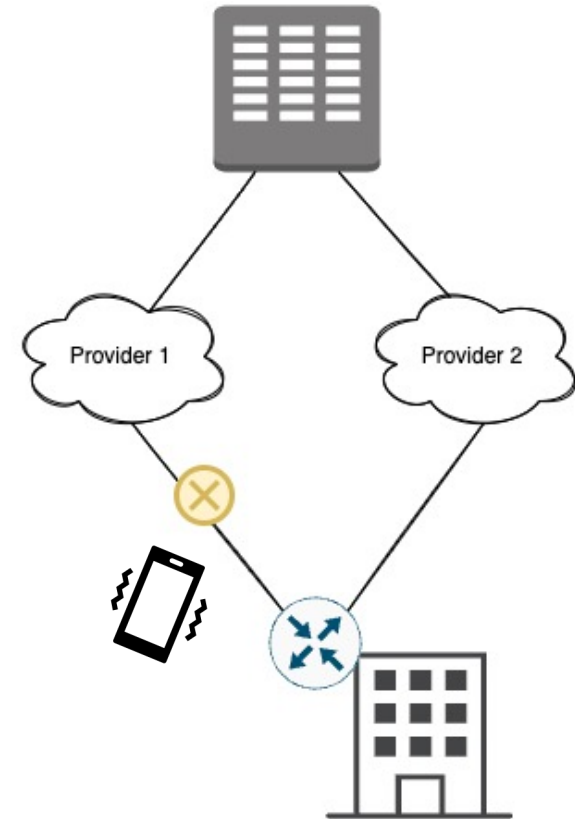Libraries Used

>>> Current Circuit Maintenance Process

A Generalization, may not reflect each and every individual environment

>>> Manual Workflow

Provider

- Provider creates and schedules maintenance event
- Email Notification

Customer Environment

- Email sits in Inbox for review
- Circuit Event, reactive search checks through inbox for circuit
- NOC works event, searches through the inbox

>>> Risks Without Automation

- Multi-homed sites services unexpectedly goes down

- No communication of service degradation to the end users

- Unnecessary oncall pages (quality of life)

- Reporting inaccuracies
  - Service uptime
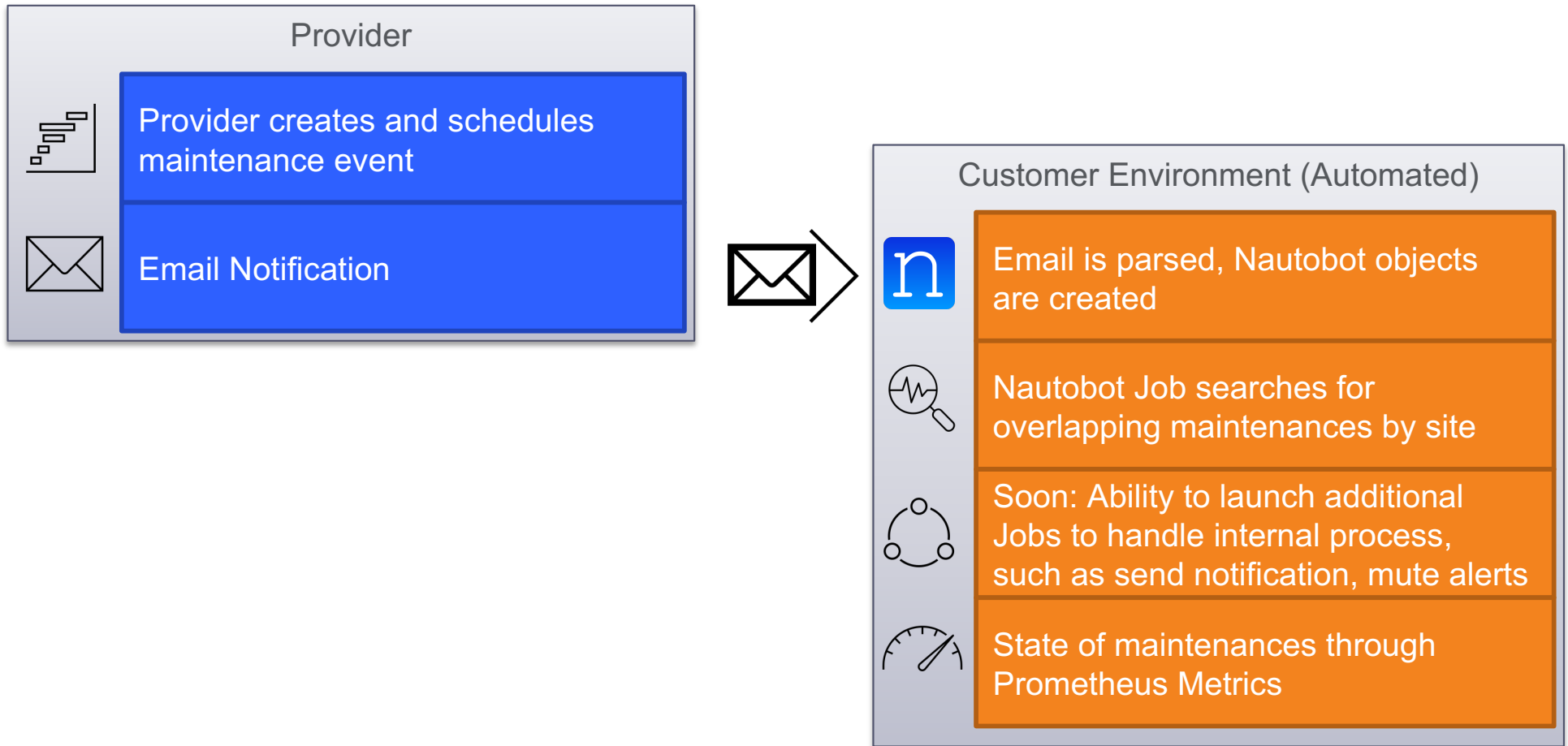 - Number of maintenances

>>> Automated Solution

There is a better way!

>>> Nautobot Circuit Maintenance Plugin

- Manage maintenance notifications from circuit providers

- Leverages NTC's Python Circuit Maintenance Parser Library https://github.com/networktocode/circuit-maintenance-parser

- Creates objects that can be accessed via APIs (**REST** | **GraphQL**)

- Past and future maintenances objects that can be reported on, searched, and automated with

- Check to see if all circuits for a given site will be offline for maintenance at the same time

- Started by Christian Adell (@chadell0)

>>> Solution: Automated Workflow − More info, a better way

Provider

Provider creates and schedules maintenance event

Email Notification

Customer Environment (Automated)

Email is parsed, Nautobot objects are created

Nautobot Job searches for overlapping maintenances by site

Soon: Ability to launch additional Jobs to handle internal process, such as send notification, mute alerts

State of maintenances through Prometheus Metrics

>>> Proposed Maintenance Notification Standard

- BCOP
  - At NANOG 60 (2014), Randy Neals presented the idea of improving maintenance notifications to make it easier to write programs to consume them
  - Add headers to email notifications with specific criteria

```
X-MAINTNOTE-PROVIDER:example.com
X-MAINTNOTE-ACCOUNT:137.035999173
X-MAINTNOTE-MAINTENANCE-ID:WorkOrder-31415
X-MAINTNOTE-OBJECT-ID:2718281828459
X-MAINTNOTE-IMPACT:DEGRADED
X-MAINTNOTE-STATUS:TENTATIVE
```

⟫⟫ Supported Circuit Providers In NTC Library Today

BCOP Support

Carriers that include BCOP headers in maintenance notifications

- EuNetworks
- NTT
- PacketFabric
- Telia
- **Telstra**

- Generic BCOP Provider Included in Python Library

Parsers Support

Email parsing support for the following carriers

- AWS
- AquaComms
- BSO
- Cogent
- Colt
- Equinix
- EXA (formerly GTT)
- HGC
- Lumen

- Megaport
- Momentum
- Seaborn
- Sparkle
- **Telstra**
- Turkcell
- Verizon
- Zayo
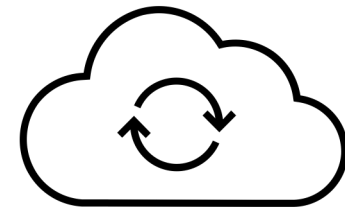
>>> What if my provider doesn't support BCOP?

- ## Setup of email parsing
  - Not ideal state for automating objects
  - If emails are consistent, can parse the text of the emails
  - Dependent on maintaining **consistent** format, if even an extra space is added, can cause problems

- ## Ideal State: API access
  - Ability to access data that is already in a structured format, we do not need to parse it
  - Easy to set up with sync to grab data and ingest into a system (Python DiffSync)
    - https://github.com/networktocode/diffsync/
  - Not common today

>>> Demo

Search   All Objects   Search

Organization

Sites   46
Geographic location

Tenants   0
Customers or departments

DCIM

Racks   0
Equipment racks, optionally organized by group

Device Types   2
Physical hardware models by manufacturer

Devices   92
Rack-mounted network equipment, servers, and other devices

Virtual Chassis   0
Represents a set of devices which share a common control plane

Connections

Cables   92
Interfaces   4416
Console   0
Power   0

Power

Power Feeds   0
Electrical circuits delivering power from panels

Power Panels   0
Electrical panels receiving utility power

IPAM

VRFs   0
Virtual routing and forwarding tables

Aggregates   0
Top-level IP allocations

Prefixes   0
IPv4 and IPv6 network assignments

IP Addresses   0
IPv4 and IPv6 network assignments

VLAN   0
Layer two domains, identified by VLAN ID

Circuits

Providers   5
Organizations which provide circuit connectivity

Circuits   92
Communication links for Internet transit, peering, and other services

Virtualization

Clusters   0
Clusters of physical hosts in which VMs reside

Virtual Machines   0
Virtual compute instances running inside clusters

Data Sources

Git Repositories   0
Collections of data and/or job files

Job History

None found

Change Log

Modified Provider TangoWireless
admin - 2022-10-10 18:11

Modified Provider BravoFiber
admin - 2022-10-10 18:10

Created Cable #dfee8089-8451-4be7-bb1e-926c97cf0f15
admin - 2022-10-10 18:08

Modified Circuit Termination Termination A: SFO02
admin - 2022-10-10 18:08

Modified Interface GigabitEthernet1/0/1
admin - 2022-10-10 18:08

Created Circuit Termination Termination Z: BravoFiberNetwork
admin - 2022-10-10 18:08

Created Circuit Termination Termination A: SFO02

>>> Libraries Leveraged

>>> Libraries

Circuit Maintenance Parser (Parsing Library) – CAN BE USED BY ANY Python application

Add your own parsers, update parsers here via Pull Request

https://github.com/networktocode/circuit-maintenance-parser

Nautobot Plugin Circuit Maintenance

https://github.com/nautobot/nautobot-plugin-circuit-maintenance/

Nautobot

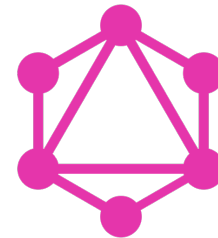https://github.com/nautobot/nautobot/

Circuit Maintenance Plugin

>>> What can you do!?

>>> What Can You Do To Help?

- Ask your provider to create APIs for their maintenance records
  - Ideally that this would be open with docs and example responses, so that open source tools can work with the data

- Ask you provider to support BCOP proposed format for maintenance notification
  - Adding in headers to the already existing emails
  - Minor changes to the process without having to create a whole bunch of new end points with security

- Contribute to parsers that are not on the existing list

>>> network .toCode()

Thanks

Twitter: @vanderaaj
GitHub: github.com/jvanderaa

>>> Appendix – Screen shots

Search | All Objects | Search

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admin - 2022-10-10 19:13

Modified Circuit Termination Termination A: SFO02
admin - 2022-10-10 19:13

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admin - 2022-10-10 19:13

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admin - 2022-10-10 19:13

Created Circuit Termination Termination A: SFO02
admin - 2022-10-10 19:13

Created Circuit sfo02-bravofiber01
admin - 2022-10-10 19:13

Created Cable #52a238a0-0b33-4406-bbc3-3e4d5788ab39
admin - 2022-10-10 19:13

Circuits

Circuits		
Circuits	➕	🗄
Circuit Types	➕	🗄

Providers		
Providers	➕	🗄
Provider Networks	➕	🗄

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Providers

	Name	ASN	Account number	Circuits
☐	AlphaFiber	65514	765850708547	0
☐	BravoFiber	65523	411328630796	46
☐	RomeoCable	65534	301722765712	0
☐	TangoWireless	65533	652059532318	46
☐	ZuluFiber	65519	215474011475	0

✏ Edit Selected   🗑 Delete Selected

50 per page
Showing 1-5 of 5

⚙ Configure   ➕ Add   Import   Export

🔍 **Search**

Search [🔍]

Region

Site

ASN
ASN

Tags

Emails for Circuit Maintenance plugin.
Emails for Circuit Maintenance plugin.

Provider Parser for Circuit Maintenance plugin.
Provider Parser for Circuit Maintenance plugin.

🔍 Apply   ✖ Clear

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🔍 Search

Search 🔍

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🔍 Apply   ✕ Clear

BravoFiber

+ Clone   ✎ Edit   🗑 Delete

Created Oct. 10, 2022 · Updated 0 minutes ago

Provider   Advanced   Change Log

Provider

ASN	65523
Account	411328630796
Customer Portal	https://bravofiber.example.com
NOC Contact	noc@bravofiber.example.com
Admin Contact	admin@bravofiber.example.com
Circuits	46

Custom Fields

Emails for Circuit Maintenance plugin.	carrier.nanog86.demo@gmail.com
Provider Parser for Circuit Maintenance plugin.	GenericProvider

Tags

No tags assigned

Comments

None

Circuits

ID	Type	Status	Tenant	Side A	Side Z	Description
atl01-bravofiber01	Fiber	Active	—	ATL01	BravoFiberNetwork	Primary circuit
atl02-bravofiber01	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
atw01-bravofiber01	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
atw02-bravofiber01	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
bos01-bravofiber01	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit

Search providers

BravoFiber

+ Clone   Edit   Delete

Created Oct. 10, 2022 · Updated 0 minutes ago

Provider   Advanced   Change Log

Provider

ASN	65523
Account	411328630796
Customer Portal	https://bravofiber.example.com
NOC Contact	noc@bravofiber.example.com
Admin Contact	admin@bravofiber.example.com
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Emails for Circuit Maintenance plugin.	carrier.nanog86.demo@gmail.com
Provider Parser for Circuit Maintenance plugin.	GenericProvider

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No tags assigned

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None

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atl01-bravofiber01	Fiber	Active	—	ATL01	BravoFiberNetwork	Primary circuit
atl02-bravofiber01	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
atw01-bravofiber01	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
atw02-bravofiber01	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
bos01-bravofiber01	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit

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BravoFiber

+ Clone   Edit   Delete

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atw02-bravofiber01	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
bos01-bravofiber01	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit

Search providers

BravoFiber

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Provider   Advanced   Change Log

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atw01-bravofiber01	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
atw02-bravofiber01	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
bos01-bravofiber01	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit

Circuits

⚙ Configure   ➕ Add   ⟳ Import   ⟳ Export

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☐ atl01-bravofiber01	BravoFiber	Fiber	Active	—	ATL01	BravoFiberNetwork	Primary circuit
☐ atl02-bravofiber01	BravoFiber	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
☐ atw01-bravofiber01	BravoFiber	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
☐ atw02-bravofiber01	BravoFiber	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
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☐ dca01-bravofiber01	BravoFiber	Fiber	Active	—	DCA01	BravoFiberNetwork	Primary circuit
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☐ las01-bravofiber01	BravoFiber	Fiber	Active	—	LAS01	BravoFiberNetwork	Primary circuit
☐ las02-bravofiber01	BravoFiber	Fiber	Active	—	LAS02	BravoFiberNetwork	Primary circuit

🔍 Search

| Search | 🔍 |

Type

_____

Provider

× BravoFiber   ✕

Provider Network

_____

Status

_____

Region

_____

Site

_____

Location

_____

Tenant group

_____

Tenant

_____

Commit rate (Kbps)

Commit rate (Kbps)

Search 🔍   👤 admin ▾

Circuits

⚙ Configure   ➕ Add   📥 Import   📤 Export

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☐ las02-bravofiber01	BravoFiber	Fiber	Active	—	LAS02	BravoFiberNetwork	Primary circuit

🔍 Search

Search 🔍

Type

Provider

✕ BravoFiber   ✕

Provider Network

Status

Region

Site

Location

Tenant group

Tenant

Commit rate (Kbps)

Commit rate (Kbps)

Circuits

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☐ atl02-bravofiber01	BravoFiber	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
☐ atw01-bravofiber01	BravoFiber	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
☐ atw02-bravofiber01	BravoFiber	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
☐ bos01-bravofiber01	BravoFiber	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit
☐ bos02-bravofiber01	BravoFiber	Fiber	Active	—	BOS02	BravoFiberNetwork	Primary circuit
☐ bwi01-bravofiber01	BravoFiber	Fiber	Active	—	BWI01	BravoFiberNetwork	Primary circuit
☐ bwi02-bravofiber01	BravoFiber	Fiber	Active	—	BWI02	BravoFiberNetwork	Primary circuit
☐ dca01-bravofiber01	BravoFiber	Fiber	Active	—	DCA01	BravoFiberNetwork	Primary circuit
☐ dca02-bravofiber01	BravoFiber	Fiber	Active	—	DCA02	BravoFiberNetwork	Primary circuit
☐ den01-bravofiber01	BravoFiber	Fiber	Active	—	DEN01	BravoFiberNetwork	Primary circuit
☐ den02-bravofiber01	BravoFiber	Fiber	Active	—	DEN02	BravoFiberNetwork	Primary circuit
☐ dfw01-bravofiber01	BravoFiber	Fiber	Active	—	DFW01	BravoFiberNetwork	Primary circuit
☐ dfw02-bravofiber01	BravoFiber	Fiber	Active	—	DFW02	BravoFiberNetwork	Primary circuit
☐ dtw01-bravofiber01	BravoFiber	Fiber	Active	—	DTW01	BravoFiberNetwork	Primary circuit
☐ dtw02-bravofiber01	BravoFiber	Fiber	Active	—	DTW02	BravoFiberNetwork	Primary circuit
☐ grb01-bravofiber01	BravoFiber	Fiber	Active	—	GRB01	BravoFiberNetwork	Primary circuit
☐ grb02-bravofiber01	BravoFiber	Fiber	Active	—	GRB02	BravoFiberNetwork	Primary circuit
☐ iah01-bravofiber01	BravoFiber	Fiber	Active	—	IAH01	BravoFiberNetwork	Primary circuit
☐ iah02-bravofiber01	BravoFiber	Fiber	Active	—	IAH02	BravoFiberNetwork	Primary circuit
☐ las01-bravofiber01	BravoFiber	Fiber	Active	—	LAS01	BravoFiberNetwork	Primary circuit
☐ las02-bravofiber01	BravoFiber	Fiber	Active	—	LAS02	BravoFiberNetwork	Primary circuit

🔍 Search

Search   🔍

Type

\---------

Provider

× BravoFiber   ✕

Provider Network

\---------

Status

\---------

Region

\---------

Site

\---------

Location

\---------

Tenant group

\---------

Tenant

\---------

Commit rate (Kbps)

Commit rate (Kbps)

Search   🔍   👤 admin ▾

Circuits

⚙ Configure   ➕ Add   📥 Import   📤 Export

🔍 **Search**

	ID	Provider	Type	Status	Tenant	Side A	Side Z	Description
☐	atl01-bravofiber01	BravoFiber	Fiber	Active	—	ATL01	BravoFiberNetwork	Primary circuit
☐	atl02-bravofiber01	BravoFiber	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
☐	atw01-bravofiber01	BravoFiber	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
☐	atw02-bravofiber01	BravoFiber	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
☐	bos01-bravofiber01	BravoFiber	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit
☐	bos02-bravofiber01	BravoFiber	Fiber	Active	—	BOS02	BravoFiberNetwork	Primary circuit
☐	bwi01-bravofiber01	BravoFiber	Fiber	Active	—	BWI01	BravoFiberNetwork	Primary circuit
☐	bwi02-bravofiber01	BravoFiber	Fiber	Active	—	BWI02	BravoFiberNetwork	Primary circuit
☐	dca01-bravofiber01	BravoFiber	Fiber	Active	—	DCA01	BravoFiberNetwork	Primary circuit
☐	dca02-bravofiber01	BravoFiber	Fiber	Active	—	DCA02	BravoFiberNetwork	Primary circuit
☐	den01-bravofiber01	BravoFiber	Fiber	Active	—	DEN01	BravoFiberNetwork	Primary circuit
☐	den02-bravofiber01	BravoFiber	Fiber	Active	—	DEN02	BravoFiberNetwork	Primary circuit
☐	dfw01-bravofiber01	BravoFiber	Fiber	Active	—	DFW01	BravoFiberNetwork	Primary circuit
☐	dfw02-bravofiber01	BravoFiber	Fiber	Active	—	DFW02	BravoFiberNetwork	Primary circuit
☐	dtw01-bravofiber01	BravoFiber	Fiber	Active	—	DTW01	BravoFiberNetwork	Primary circuit
☐	dtw02-bravofiber01	BravoFiber	Fiber	Active	—	DTW02	BravoFiberNetwork	Primary circuit
☐	grb01-bravofiber01	BravoFiber	Fiber	Active	—	GRB01	BravoFiberNetwork	Primary circuit
☐	grb02-bravofiber01	BravoFiber	Fiber	Active	—	GRB02	BravoFiberNetwork	Primary circuit
☐	iah01-bravofiber01	BravoFiber	Fiber	Active	—	IAH01	BravoFiberNetwork	Primary circuit
☐	iah02-bravofiber01	BravoFiber	Fiber	Active	—	IAH02	BravoFiberNetwork	Primary circuit
☐	las01-bravofiber01	BravoFiber	Fiber	Active	—	LAS01	BravoFiberNetwork	Primary circuit

Search

Search   🔍

Type

Provider

× BravoFiber   ✕

Provider Network

Status

Region

Site

Location

Tenant group

Tenant

Commit rate (Kbps)

Commit rate (Kbps)

Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search 🔍   👤 admin ▾

Circuits

⚙ Configure   ➕ Add   ⟳ Import   ⟳ Export

☐	ID	Provider	Type	Status	Tenant	Side A	Side Z	Description
☐	atl01-bravofiber01	BravoFiber	Fiber	Active	—	ATL01	BravoFiberNetwork	Primary circuit
☐	atl02-bravofiber01	BravoFiber	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
☐	atw01-bravofiber01	BravoFiber	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
☐	atw02-bravofiber01	BravoFiber	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
☐	bos01-bravofiber01	BravoFiber	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit
☐	bos02-bravofiber01	BravoFiber	Fiber	Active	—	BOS02	BravoFiberNetwork	Primary circuit
☐	bwi01-bravofiber01	BravoFiber	Fiber	Active	—	BWI01	BravoFiberNetwork	Primary circuit
☐	bwi02-bravofiber01	BravoFiber	Fiber	Active	—	BWI02	BravoFiberNetwork	Primary circuit
☐	dca01-bravofiber01	BravoFiber	Fiber	Active	—	DCA01	BravoFiberNetwork	Primary circuit
☐	dca02-bravofiber01	BravoFiber	Fiber	Active	—	DCA02	BravoFiberNetwork	Primary circuit
☐	den01-bravofiber01	BravoFiber	Fiber	Active	—	DEN01	BravoFiberNetwork	Primary circuit
☐	den02-bravofiber01	BravoFiber	Fiber	Active	—	DEN02	BravoFiberNetwork	Primary circuit
☐	dfw01-bravofiber01	BravoFiber	Fiber	Active	—	DFW01	BravoFiberNetwork	Primary circuit
☐	dfw02-bravofiber01	BravoFiber	Fiber	Active	—	DFW02	BravoFiberNetwork	Primary circuit
☐	dtw01-bravofiber01	BravoFiber	Fiber	Active	—	DTW01	BravoFiberNetwork	Primary circuit
☐	dtw02-bravofiber01	BravoFiber	Fiber	Active	—	DTW02	BravoFiberNetwork	Primary circuit
☐	grb01-bravofiber01	BravoFiber	Fiber	Active	—	GRB01	BravoFiberNetwork	Primary circuit
☐	grb02-bravofiber01	BravoFiber	Fiber	Active	—	GRB02	BravoFiberNetwork	Primary circuit
☐	iah01-bravofiber01	BravoFiber	Fiber	Active	—	IAH01	BravoFiberNetwork	Primary circuit
☐	iah02-bravofiber01	BravoFiber	Fiber	Active	—	IAH02	BravoFiberNetwork	Primary circuit
☐	las01-bravofiber01	BravoFiber	Fiber	Active	—	LAS01	BravoFiberNetwork	Primary circuit
☐	las02-bravofiber01	BravoFiber	Fiber	Active	—	LAS02	BravoFiberNetwork	Primary circuit

🔍 Search

Search 🔍

Type

Provider

× BravoFiber   ✕

Provider Network

Status

Region

Site

Location

Tenant group

Tenant

Commit rate (Kbps)

Commit rate (Kbps)

Circuits

⚙ Configure   ➕ Add   🗂 Import   🗂 Export

	ID	Provider	Type	Status	Tenant	Side A	Side Z	Description
☐	atl01-bravofiber01	BravoFiber	Fiber	Active	—	ATL01	BravoFiberNetwork	Primary circuit
☐	atl02-bravofiber01	BravoFiber	Fiber	Active	—	ATL02	BravoFiberNetwork	Primary circuit
☐	atw01-bravofiber01	BravoFiber	Fiber	Active	—	ATW01	BravoFiberNetwork	Primary circuit
☐	atw02-bravofiber01	BravoFiber	Fiber	Active	—	ATW02	BravoFiberNetwork	Primary circuit
☐	bos01-bravofiber01	BravoFiber	Fiber	Active	—	BOS01	BravoFiberNetwork	Primary circuit
☐	bos02-bravofiber01	BravoFiber	Fiber	Active	—	BOS02	BravoFiberNetwork	Primary circuit
☐	bwi01-bravofiber01	BravoFiber	Fiber	Active	—	BWI01	BravoFiberNetwork	Primary circuit
☐	bwi02-bravofiber01	BravoFiber	Fiber	Active	—	BWI02	BravoFiberNetwork	Primary circuit
☐	dca01-bravofiber01	BravoFiber	Fiber	Active	—	DCA01	BravoFiberNetwork	Primary circuit
☐	dca02-bravofiber01	BravoFiber	Fiber	Active	—	DCA02	BravoFiberNetwork	Primary circuit
☐	den01-bravofiber01	BravoFiber	Fiber	Active	—	DEN01	BravoFiberNetwork	Primary circuit
☐	den02-bravofiber01	BravoFiber	Fiber	Active	—	DEN02	BravoFiberNetwork	Primary circuit
☐	dfw01-bravofiber01	BravoFiber	Fiber	Active	—	DFW01	BravoFiberNetwork	Primary circuit
☐	dfw02-bravofiber01	BravoFiber	Fiber	Active	—	DFW02	BravoFiberNetwork	Primary circuit
☐	dtw01-bravofiber01	BravoFiber	Fiber	Active	—	DTW01	BravoFiberNetwork	Primary circuit
☐	dtw02-bravofiber01	BravoFiber	Fiber	Active	—	DTW02	BravoFiberNetwork	Primary circuit
☐	grb01-bravofiber01	BravoFiber	Fiber	Active	—	GRB01	BravoFiberNetwork	Primary circuit
☐	grb02-bravofiber01	BravoFiber	Fiber	Active	—	GRB02	BravoFiberNetwork	Primary circuit
☐	iah01-bravofiber01	BravoFiber	Fiber	Active	—	IAH01	BravoFiberNetwork	Primary circuit
☐	iah02-bravofiber01	BravoFiber	Fiber	Active	—	IAH02	BravoFiberNetwork	Primary circuit
☐	las01-bravofiber01	BravoFiber	Fiber	Active	—	LAS01	BravoFiberNetwork	Primary circuit
☐	las02-bravofiber01	BravoFiber	Fiber	Active	—	LAS02	BravoFiberNetwork	Primary circuit

🔍 Search

Search	🔍

Type

Provider

× BravoFiber   ✕

Provider Network

Status

Region

Site

Location

Tenant group

Tenant

Commit rate (Kbps)

Commit rate (Kbps)

Search circuits

atl01-bravofiber01

+ Clone   Edit   Delete

Created Oct. 10, 2022 · Updated 11 minutes ago

Circuit   Advanced   Change Log

Circuit

Status	Active
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments

Site primary circuit.

Tags

No tags assigned

Termination - A Side

Edit   Swap   Delete   Detail

Site	ATL01
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 ⇄ to atl01sw01 (GigabitEthernet1/0/1) Disconnect
Speed	—
IP Addressing	None
Cross-Connect	—
Patch Panel/Port	—
Description	—

Termination - Z Side

Edit   Swap   Delete   Detail

Provider Network	BravoFiberNetwork
Speed	—
IP Addressing	—
Cross-Connect	—
Patch Panel/Port	—
Description	—

Circuit Maintenances

None

Search circuits

atl01-bravofiber01

+ Clone   ✎ Edit   🗑 Delete

Created Oct. 10, 2022 · Updated 11 minutes ago

Circuit   Advanced   Change Log

Circuit   ⓘ

Status	**Active**
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments

Site primary circuit.

Tags

No tags assigned

Termination - A Side

✎ Edit   ⇅ Swap   🗑 Delete   ⓘ Detail

Site	ATL01
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 ⚏ to atl01sw01 (GigabitEthernet1/0/1) ⚡ Disconnect
Speed	—
IP Addressing	None
Cross-Connect	—
Patch Panel/Port	—
Description	—

Termination - Z Side

✎ Edit   ⇅ Swap   🗑 Delete   ⓘ Detail

Provider Network	BravoFiberNetwork
Speed	—
IP Addressing	—
Cross-Connect	—
Patch Panel/Port	—
Description	—

Circuit Maintenances

None

372fe09c7e10 (v1.3.9)   2022-10-10 19:24:58 UTC   📖 Docs · ☁ API · ⚙ GraphQL · </> Code · ⊕ Help

Search circuits 🔍

atl01-bravofiber01

➕ Clone   ✏️ Edit   🗑 Delete

Created Oct. 10, 2022 · Updated 11 minutes ago

Circuit   Advanced   Change Log

Circuit	
Status	**Active**
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments	
Site primary circuit.	

Tags	
No tags assigned	

Termination - A Side		✏️ Edit ↕ Swap 🗑 Delete ⓘ Detail
Site	ATL01	
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 ⇄ to atl01sw01 (GigabitEthernet1/0/1)	⚡ Disconnect
Speed	—	
IP Addressing	None	
Cross-Connect	—	
Patch Panel/Port	—	
Description	—	

Termination - Z Side		✏️ Edit ↕ Swap 🗑 Delete ⓘ Detail
Provider Network	BravoFiberNetwork	
Speed	—	
IP Addressing	—	
Cross-Connect	—	
Patch Panel/Port	—	
Description	—	

Circuit Maintenances	
None	

Search circuits

atl01-bravofiber01

+ Clone   **✎ Edit**   **🗑 Delete**

Created Oct. 10, 2022 · Updated 11 minutes ago

Circuit   Advanced   Change Log

Circuit

Status	**Active**
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments

Site primary circuit.

Tags

No tags assigned

Termination - A Side

✎ Edit   **⇅ Swap**   **🗑 Delete**   **ⓘ Detail**

Site	ATL01
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 ⇄ to atl01sw01 (GigabitEthernet1/0/1) **✂ Disconnect**
Speed	—
IP Addressing	None
Cross-Connect	—
Patch Panel/Port	—
Description	—

Termination - Z Side

✎ Edit   **⇅ Swap**   **🗑 Delete**   **ⓘ Detail**

Provider Network	BravoFiberNetwork
Speed	—
IP Addressing	—
Cross-Connect	—
Patch Panel/Port	—
Description	—

Circuit Maintenances

None

Circuits / BravoFiber / atl01-bravofiber01   Search circuits 🔍

+ Clone   ✏ Edit   🗑 Delete

atl01-bravofiber01

Created Oct. 10, 2022 · Updated 13 minutes ago

Circuit   Advanced   Change Log

Circuit

Status	Active
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments

Site primary circuit.

Tags

No tags assigned

Termination - A Side   ✏ Edit �Swap 🗑 Delete ⓘ Detail

Site	ATL01
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 🔁 to atl01sw01 (GigabitEthernet1/0/1) ✂ Disconnect
Speed	—
IP Addressing	None
Cross-Connect	—
Patch Panel/Port	—
Description	—

Termination - Z Side   ✏ Edit ↓Swap 🗑 Delete ⓘ Detail

Provider Network	BravoFiberNetwork
Speed	—
IP Addressing	—
Cross-Connect	—
Patch Panel/Port	—
Description	—

Circuit Maintenances

None

372fe09c7e10 (v1.3.9)   2022-10-10 19:26:24 UTC   📖 Docs · ⊙ API · 🔧 GraphQL · </> Code · ⊕ Help

Jobs

Jobs

Job Approval Queue

Scheduled Jobs

Job Results

Circuits / BravoFiber / atl01-bravofiber01

[🔍] Search circuits

+ Clone   **✎ Edit**   **🗑 Delete**

atl01-bravofiber01

Created Oct. 10, 2022 · Updated 13 minutes ago

| Circuit | Advanced | Change Log |

Circuit

Status	Active
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments

Site primary circuit.

Tags

No tags assigned

Termination - A Side

✎ Edit   **↑ Swap**   **🗑 Delete**   **ⓘ Detail**

Site	ATL01
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 ⑂ to atl01sw01 (GigabitEthernet1/0/1) **✗ Disconnect**
Speed	—
IP Addressing	None
Cross-Connect	—
Patch Panel/Port	—
Description	—

Termination - Z Side

✎ Edit   **↑ Swap**   **🗑 Delete**   **ⓘ Detail**

Provider Network	BravoFiberNetwork
Speed	—
IP Addressing	—
Cross-Connect	—
Patch Panel/Port	—
Description	—

Circuit Maintenances

None

Jobs

⚙ Configure   **Collapse All**

Name	Enabled	Description	Last run	Last status		
⌄ **Circuit Maintenance**						
Find Sites With Circuit Maintenance Overlap	✔	Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.	Never	N/A	▶ 🕐	✎ 🗑
Update Circuit Maintenances	✔	Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.	Never	N/A	▶ 🕐	✎ 🗑

50 ⌄ per page
Showing 1-2 of 2

🔍 **Search**

Search   🔍

Installed
Yes   ✕ ▾

Enabled
----------   ▾

Commit default
----------   ▾

Hidden
No   ✕ ▾

Read only
----------   ▾

Approval required
----------   ▾

Tags

🔍 **Apply**   ✕ Clear

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search [🔍]   👤 admin ▾

Update Circuit Maintenances

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

Run   Source

Job Data

☐ Debug
Enable getting debug Job messages.

☑ Commit changes
Commit changes to the database (uncheck for a dry-run)

Job Execution

Type   [Once immediately   ⌄]

The job can either run immediately, once in the future, or on a recurring schedule.

▶ Run Job Now   Cancel

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search   🔍   👤 admin ▾

Jobs / Circuit Maintenance / Update Circuit Maintenances / Submission and Scheduling

Update Circuit Maintenances

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

Run | Source

Job Data

☐ Debug

Enable getting debug Job messages.

☑ Commit changes

Commit changes to the database (uncheck for a dry-run)

Job Execution

Type
| ✓ Once immediately |
| Once in the future |
| Recurring hourly |
| Recurring daily |
| Recurring weekly |

▶ Run Job Now   Cancel

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search 🔍   👤 admin ▾

Job Results / Circuit Maintenance / Update Circuit Maintenances / Oct. 10, 2022 7:29 p.m.

Update Circuit Maintenances - Job Result - Running

🗑 Delete

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

Log   Advanced   Additional Data   Source

Summary of Results	
Status	Running
Started at	Oct. 10, 2022 7:29 p.m.
User	admin
Duration	⟳

Logs

Filter

Time	Grouping	Level	Object	Message
2022-10-10 19:29:53.175072	run	Info	—	Processing notifications since 1664825393
2022-10-10 19:29:53.180316	run	Info	—	Retrieving notifications from my imap source for BravoFiber, TangoWireless since 03-Oct-2022

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search   🔍   👤 admin ▾

Job Results / Circuit Maintenance / Update Circuit Maintenances / Oct. 10, 2022 7:29 p.m.

Update Circuit Maintenances - Job Result - Completed

🗑 Delete

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

Log | Advanced | Additional Data | Output | Source

Summary of Results	
Status	Completed
Started at	Oct. 10, 2022 7:29 p.m.
User	admin
Duration	0 minutes, 7.70 seconds

Logs   Filter

Time	Grouping	Level	Object	Message
2022-10-10 19:29:53.175072	run	Info	—	Processing notifications since 1664825393
2022-10-10 19:29:53.180316	run	Info	—	Retrieving notifications from my imap source for BravoFiber, TangoWireless since 03-Oct-2022
2022-10-10 19:29:59.373129	run	Default	—	Raw notifications created 26 from my imap source.
2022-10-10 19:29:59.562449	run	Info	—	Processing notification MaintenanceNotification .
2022-10-10 19:29:59.593476	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.671345	run	Success	BravoFiber-NOC1822	Created Circuit Maintenance.
2022-10-10 19:29:59.681653	run	Success	Circuit atl01-bravofiber01 with impact OUTAGE	Circuit ID atl01-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.694369	run	Success	Circuit atl02-bravofiber01 with impact OUTAGE	Circuit ID atl02-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.711795	run	Success	Parsed notification for MaintenanceNotification	Saved Parsed Notification for BravoFiber-NOC1822.
2022-10-10 19:29:59.717437	run	Info	—	Processing notification MaintenanceNotification .
2022-10-10 19:29:59.726738	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.736317	run	Success	BravoFiber-NOC1823	Created Circuit Maintenance.
2022-10-10 19:29:59.744340	run	Success	Circuit atw01-bravofiber01 with impact OUTAGE	Circuit ID atw01-bravofiber01 linked to Maintenance BravoFiber-NOC1823

General
Installed Plugins

Circuit Maintenance
Dashboard
Circuit Maintenances ➕ 📚
Notifications
Notification Sources

Job Results / Circuit Maintenance / Update Circuit Maintenances / Oct. 10, 2022 7:29 p.m.

Update Circuit Maintenances - Job Result - Completed

🗑 Delete

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

| Log | Advanced | Additional Data | Output | Source |

Summary of Results

Status	Completed
Started at	Oct. 10, 2022 7:29 p.m.
User	admin
Duration	0 minutes, 7.70 seconds

Logs

Filter

Time	Grouping	Level	Object	Message
2022-10-10 19:29:53.175072	run	Info	—	Processing notifications since 1664825393
2022-10-10 19:29:53.180316	run	Info	—	Retrieving notifications from my imap source for BravoFiber, TangoWireless since 03-Oct-2022
2022-10-10 19:29:59.373129	run	Default	—	Raw notifications created 26 from my imap source.
2022-10-10 19:29:59.562449	run	Info	—	Processing notification `MaintenanceNotification`.
2022-10-10 19:29:59.593476	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.671345	run	Success	BravoFiber-NOC1822	Created Circuit Maintenance.
2022-10-10 19:29:59.681653	run	Success	Circuit atl01-bravofiber01 with impact OUTAGE	Circuit ID atl01-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.694369	run	Success	Circuit atl02-bravofiber01 with impact OUTAGE	Circuit ID atl02-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.711795	run	Success	Parsed notification for MaintenanceNotification	Saved Parsed Notification for BravoFiber-NOC1822.
2022-10-10 19:29:59.717437	run	Info	—	Processing notification `MaintenanceNotification`.
2022-10-10 19:29:59.726738	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.736317	run	Success	BravoFiber-NOC1823	Created Circuit Maintenance.
2022-10-10 19:29:59.744340	run	Success	Circuit atw01-bravofiber01 with impact OUTAGE	Circuit ID atw01-bravofiber01 linked to Maintenance BravoFiber-NOC1823

General

Installed Plugins

Circuit Maintenance

Dashboard

Circuit Maintenances   ➕ 🗄️

Notifications

Notification Sources

Job Results / Circuit Maintenance / Update Circuit Maintenances / Oct. 10, 2022 7:29 p.m.

Update Circuit Maintenances - Job Result - Completed

🗑️ Delete

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

| Log | Advanced | Additional Data | Output | Source |

Summary of Results

Status	Completed
Started at	Oct. 10, 2022 7:29 p.m.
User	admin
Duration	0 minutes, 7.70 seconds

Logs

Filter

Time	Grouping	Level	Object	Message
2022-10-10 19:29:53.175072	run	Info	—	Processing notifications since 1664825393
2022-10-10 19:29:53.180316	run	Info	—	Retrieving notifications from my imap source for BravoFiber, TangoWireless since 03-Oct-2022
2022-10-10 19:29:59.373129	run	Default	—	Raw notifications created 26 from my imap source.
2022-10-10 19:29:59.562449	run	Info	—	Processing notification MaintenanceNotification .
2022-10-10 19:29:59.593476	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.671345	run	Success	BravoFiber-NOC1822	Created Circuit Maintenance.
2022-10-10 19:29:59.681653	run	Success	Circuit atl01-bravofiber01 with impact OUTAGE	Circuit ID atl01-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.694369	run	Success	Circuit atl02-bravofiber01 with impact OUTAGE	Circuit ID atl02-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.711795	run	Success	Parsed notification for MaintenanceNotification	Saved Parsed Notification for BravoFiber-NOC1822.
2022-10-10 19:29:59.717437	run	Info	—	Processing notification MaintenanceNotification .
2022-10-10 19:29:59.726738	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.736317	run	Success	BravoFiber-NOC1823	Created Circuit Maintenance.
2022-10-10 19:29:59.744340	run	Success	Circuit atw01-bravofiber01 with impact OUTAGE	Circuit ID atw01-bravofiber01 linked to Maintenance BravoFiber-NOC1823

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Notifications
Notification Sources

Job Results / Circuit Maintenance / Update Circuit Maintenances / Oct. 10, 2022 7:29 p.m.

Update Circuit Maintenances - Job Result - Completed

🗑 Delete

Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.

Log Advanced Additional Data Output Source

Summary of Results

Status	Completed
Started at	Oct. 10, 2022 7:29 p.m.
User	admin
Duration	0 minutes, 7.70 seconds

Logs

Filter

Time	Grouping	Level	Object	Message
2022-10-10 19:29:53.175072	run	Info	—	Processing notifications since 1664825393
2022-10-10 19:29:53.180316	run	Info	—	Retrieving notifications from my imap source for BravoFiber, TangoWireless since 03-Oct-2022
2022-10-10 19:29:59.373129	run	Default	—	Raw notifications created 26 from my imap source.
2022-10-10 19:29:59.562449	run	Info	—	Processing notification MaintenanceNotification .
2022-10-10 19:29:59.593476	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.671345	run	Success	BravoFiber-NOC1822	Created Circuit Maintenance.
2022-10-10 19:29:59.681653	run	Success	Circuit atl01-bravofiber01 with impact OUTAGE	Circuit ID atl01-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.694369	run	Success	Circuit atl02-bravofiber01 with impact OUTAGE	Circuit ID atl02-bravofiber01 linked to Maintenance BravoFiber-NOC1822
2022-10-10 19:29:59.711795	run	Success	Parsed notification for MaintenanceNotification	Saved Parsed Notification for BravoFiber-NOC1822.
2022-10-10 19:29:59.717437	run	Info	—	Processing notification MaintenanceNotification .
2022-10-10 19:29:59.726738	run	Success	MaintenanceNotification	Raw notification created.
2022-10-10 19:29:59.736317	run	Success	BravoFiber-NOC1823	Created Circuit Maintenance.
2022-10-10 19:29:59.744340	run	Success	Circuit atw01-bravofiber01 with impact OUTAGE	Circuit ID atw01-bravofiber01 linked to Maintenance BravoFiber-NOC1823
			Circuit atw02-bravofiber01 with impact OUTAGE	Circuit ID atw02-bravofiber01 linked to Maintenance BravoFiber-NOC1823

localhost:8080/extras/jobs/results/287a5cc6-940d-48b3-b845-846bfb36f462/#

Circuit Maintenances

⚙ Configure   ➕ Add   🗇 Export

	Ack	Name	Status	Providers	Circuits	Start time	End time
☐	✗	BravoFiber-NOC1822	CONFIRMED	BravoFiber, BravoFiber	atl01-bravofiber01, atl02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1829	CONFIRMED	BravoFiber, BravoFiber	dtw01-bravofiber01, dtw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1831	CONFIRMED	BravoFiber, BravoFiber	iah01-bravofiber01, iah02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1832	CONFIRMED	BravoFiber, BravoFiber	las01-bravofiber01, las02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1835	CONFIRMED	BravoFiber, BravoFiber	mia01-bravofiber01, mia02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1836	CONFIRMED	BravoFiber, BravoFiber	msp01-bravofiber01, msp02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1838	CONFIRMED	BravoFiber, BravoFiber	ord01-bravofiber01, ord02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1841	CONFIRMED	BravoFiber, BravoFiber	phx01-bravofiber01, phx02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1842	CONFIRMED	BravoFiber, BravoFiber	sdg01-bravofiber01, sdg02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	tangowireless-NOC82376	CONFIRMED	TangoWireless, TangoWireless	dca01-tangowireless01, dca02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	tangowireless-NOC82377	CONFIRMED	TangoWireless, TangoWireless	den01-tangowireless01, den02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1824	CONFIRMED	BravoFiber, BravoFiber	bos01-bravofiber01, bos02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1825	CONFIRMED	BravoFiber, BravoFiber	bwi01-bravofiber01, bwi02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1826	CONFIRMED	BravoFiber, BravoFiber	dca01-bravofiber01, dca02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1827	CONFIRMED	BravoFiber, BravoFiber	den01-bravofiber01, den02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1828	CONFIRMED	BravoFiber, BravoFiber	dfw01-bravofiber01, dfw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1843	CONFIRMED	BravoFiber, BravoFiber	sea01-bravofiber01, sea02-bravofiber01	2022-11-10 00:00	2022-11-10 06:00
☐	✗	BravoFiber-NOC1839	CONFIRMED	BravoFiber, BravoFiber	pdx01-bravofiber01, pdx02-bravofiber01	2022-11-09 00:00	2022-11-09 06:00
☐	✗	BravoFiber-NOC1844	CONFIRMED	BravoFiber, BravoFiber	sfo01-bravofiber01, sfo02-bravofiber01	2022-10-28 00:00	2022-10-28 06:00
☐	✗	tangowireless-NOC82383	CONFIRMED	TangoWireless, TangoWireless	lax01-tangowireless01, lax02-tangowireless01	2022-10-27 00:00	2022-10-27 06:00
☐	✗	BravoFiber-NOC1833	CONFIRMED	BravoFiber, BravoFiber	lax01-bravofiber01, lax02-bravofiber01	2022-10-27 00:00	2022-10-27 06:00
☐	✗	BravoFiber-NOC1834	CONFIRMED	BravoFiber, BravoFiber	mco01-bravofiber01, mco02-bravofiber01	2022-10-26 00:00	2022-10-26 06:00
☐	✗	BravoFiber-NOC1837	CONFIRMED	BravoFiber, BravoFiber	nyc01-bravofiber01, nyc02-bravofiber01	2022-10-25 00:00	2022-10-25 06:00
☐	✗	BravoFiber-NOC1830	CONFIRMED	BravoFiber, BravoFiber	grb01-bravofiber01, grb02-bravofiber01	2022-10-24 00:00	2022-10-24 06:00
☐	✗	BravoFiber-NOC1823	CONFIRMED	BravoFiber, BravoFiber	atw01-bravofiber01, atw02-bravofiber01	2022-10-23 00:00	2022-10-23 06:00

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Circuit Maintenances

⚙ Configure ➕ Add 📚 Export

	Ack	Name	Status	Providers	Circuits	Start time	End time
☐	✗	BravoFiber-NOC1822	CONFIRMED	BravoFiber, BravoFiber	atl01-bravofiber01, atl02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1829	CONFIRMED	BravoFiber, BravoFiber	dtw01-bravofiber01, dtw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1831	CONFIRMED	BravoFiber, BravoFiber	iah01-bravofiber01, iah02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1832	CONFIRMED	BravoFiber, BravoFiber	las01-bravofiber01, las02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1835	CONFIRMED	BravoFiber, BravoFiber	mia01-bravofiber01, mia02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1836	CONFIRMED	BravoFiber, BravoFiber	msp01-bravofiber01, msp02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1838	CONFIRMED	BravoFiber, BravoFiber	ord01-bravofiber01, ord02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1841	CONFIRMED	BravoFiber, BravoFiber	phx01-bravofiber01, phx02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1842	CONFIRMED	BravoFiber, BravoFiber	sdg01-bravofiber01, sdg02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	tangowireless-NOC82376	CONFIRMED	TangoWireless, TangoWireless	dca01-tangowireless01, dca02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	tangowireless-NOC82377	CONFIRMED	TangoWireless, TangoWireless	den01-tangowireless01, den02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1824	CONFIRMED	BravoFiber, BravoFiber	bos01-bravofiber01, bos02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1825	CONFIRMED	BravoFiber, BravoFiber	bwi01-bravofiber01, bwi02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1826	CONFIRMED	BravoFiber, BravoFiber	dca01-bravofiber01, dca02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1827	CONFIRMED	BravoFiber, BravoFiber	den01-bravofiber01, den02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1828	CONFIRMED	BravoFiber, BravoFiber	dfw01-bravofiber01, dfw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1843	CONFIRMED	BravoFiber, BravoFiber	sea01-bravofiber01, sea02-bravofiber01	2022-11-10 00:00	2022-11-10 06:00
☐	✗	BravoFiber-NOC1839	CONFIRMED	BravoFiber, BravoFiber	pdx01-bravofiber01, pdx02-bravofiber01	2022-11-09 00:00	2022-11-09 06:00
☐	✗	BravoFiber-NOC1844	CONFIRMED	BravoFiber, BravoFiber	sfo01-bravofiber01, sfo02-bravofiber01	2022-10-28 00:00	2022-10-28 06:00
☐	✗	tangowireless-NOC82383	CONFIRMED	TangoWireless, TangoWireless	lax01-tangowireless01, lax02-tangowireless01	2022-10-27 00:00	2022-10-27 06:00
☐	✗	BravoFiber-NOC1833	CONFIRMED	BravoFiber, BravoFiber	lax01-bravofiber01, lax02-bravofiber01	2022-10-27 00:00	2022-10-27 06:00
☐	✗	BravoFiber-NOC1834	CONFIRMED	BravoFiber, BravoFiber	mco01-bravofiber01, mco02-bravofiber01	2022-10-26 00:00	2022-10-26 06:00
☐	✗	BravoFiber-NOC1837	CONFIRMED	BravoFiber, BravoFiber	nyc01-bravofiber01, nyc02-bravofiber01	2022-10-25 00:00	2022-10-25 06:00
☐	✗	BravoFiber-NOC1830	CONFIRMED	BravoFiber, BravoFiber	grb01-bravofiber01, grb02-bravofiber01	2022-10-24 00:00	2022-10-24 06:00
☐	✗	BravoFiber-NOC1823	CONFIRMED	BravoFiber, BravoFiber	atv01-bravofiber01, atv02-bravofiber01	2022-10-23 00:00	2022-10-23 06:00

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Circuit Maintenances

⚙ Configure   ✚ Add   ⬙ Export

	Ack	Name	Status	Providers	Circuits	Start time	End time
☐	✗	BravoFiber-NOC1822	CONFIRMED	BravoFiber, BravoFiber	atl01-bravofiber01, atl02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1829	CONFIRMED	BravoFiber, BravoFiber	dtw01-bravofiber01, dtw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1831	CONFIRMED	BravoFiber, BravoFiber	iah01-bravofiber01, iah02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1832	CONFIRMED	BravoFiber, BravoFiber	las01-bravofiber01, las02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1835	CONFIRMED	BravoFiber, BravoFiber	mia01-bravofiber01, mia02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1836	CONFIRMED	BravoFiber, BravoFiber	msp01-bravofiber01, msp02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1838	CONFIRMED	BravoFiber, BravoFiber	ord01-bravofiber01, ord02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1841	CONFIRMED	BravoFiber, BravoFiber	phx01-bravofiber01, phx02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1842	CONFIRMED	BravoFiber, BravoFiber	sdg01-bravofiber01, sdg02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	tangowireless-NOC82376	CONFIRMED	TangoWireless, TangoWireless	dca01-tangowireless01, dca02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	tangowireless-NOC82377	CONFIRMED	TangoWireless, TangoWireless	den01-tangowireless01, den02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1824	CONFIRMED	BravoFiber, BravoFiber	bos01-bravofiber01, bos02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1825	CONFIRMED	BravoFiber, BravoFiber	bwi01-bravofiber01, bwi02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1826	CONFIRMED	BravoFiber, BravoFiber	dca01-bravofiber01, dca02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1827	CONFIRMED	BravoFiber, BravoFiber	den01-bravofiber01, den02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1828	CONFIRMED	BravoFiber, BravoFiber	dfw01-bravofiber01, dfw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☐	✗	BravoFiber-NOC1843	CONFIRMED	BravoFiber, BravoFiber	sea01-bravofiber01, sea02-bravofiber01	2022-11-10 00:00	2022-11-10 06:00
☐	✗	BravoFiber-NOC1839	CONFIRMED	BravoFiber, BravoFiber	pdx01-bravofiber01, pdx02-bravofiber01	2022-11-09 00:00	2022-11-09 06:00
☐	✗	BravoFiber-NOC1844	CONFIRMED	BravoFiber, BravoFiber	sfo01-bravofiber01, sfo02-bravofiber01	2022-10-28 00:00	2022-10-28 06:00
☐	✗	tangowireless-NOC82383	CONFIRMED	TangoWireless, TangoWireless	lax01-tangowireless01, lax02-tangowireless01	2022-10-27 00:00	2022-10-27 06:00
☐	✗	BravoFiber-NOC1833	CONFIRMED	BravoFiber, BravoFiber	lax01-bravofiber01, lax02-bravofiber01	2022-10-27 00:00	2022-10-27 06:00
☐	✗	BravoFiber-NOC1834	CONFIRMED	BravoFiber, BravoFiber	mco01-bravofiber01, mco02-bravofiber01	2022-10-26 00:00	2022-10-26 06:00
☐	✗	BravoFiber-NOC1837	CONFIRMED	BravoFiber, BravoFiber	nyc01-bravofiber01, nyc02-bravofiber01	2022-10-25 00:00	2022-10-25 06:00
☐	✗	BravoFiber-NOC1830	CONFIRMED	BravoFiber, BravoFiber	grb01-bravofiber01, grb02-bravofiber01	2022-10-24 00:00	2022-10-24 06:00
☐	✗	BravoFiber-NOC1823	CONFIRMED	BravoFiber, BravoFiber	atv01-bravofiber01, atv02-bravofiber01	2022-10-23 00:00	2022-10-23 06:00

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End time before
[YYYY-MM-DD hh:mm:ss]

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☑	✗	BravoFiber-NOC1832	CONFIRMED	BravoFiber, BravoFiber	las01-bravofiber01, las02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1835	CONFIRMED	BravoFiber, BravoFiber	mia01-bravofiber01, mia02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1836	CONFIRMED	BravoFiber, BravoFiber	msp01-bravofiber01, msp02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1838	CONFIRMED	BravoFiber, BravoFiber	ord01-bravofiber01, ord02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1841	CONFIRMED	BravoFiber, BravoFiber	phx01-bravofiber01, phx02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1842	CONFIRMED	BravoFiber, BravoFiber	sdg01-bravofiber01, sdg02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	tangowireless-NOC82376	CONFIRMED	TangoWireless, TangoWireless	dca01-tangowireless01, dca02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	tangowireless-NOC82377	CONFIRMED	TangoWireless, TangoWireless	den01-tangowireless01, den02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1824	CONFIRMED	BravoFiber, BravoFiber	bos01-bravofiber01, bos02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1825	CONFIRMED	BravoFiber, BravoFiber	bwi01-bravofiber01, bwi02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1826	CONFIRMED	BravoFiber, BravoFiber	dca01-bravofiber01, dca02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1827	CONFIRMED	BravoFiber, BravoFiber	den01-bravofiber01, den02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1828	CONFIRMED	BravoFiber, BravoFiber	dfw01-bravofiber01, dfw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
☑	✗	BravoFiber-NOC1843	CONFIRMED	BravoFiber, BravoFiber	sea01-bravofiber01, sea02-bravofiber01	2022-11-10 00:00	2022-11-10 06:00
☑	✗	BravoFiber-NOC1839	CONFIRMED	BravoFiber, BravoFiber	pdx01-bravofiber01, pdx02-bravofiber01	2022-11-09 00:00	2022-11-09 06:00
☑	✗	BravoFiber-NOC1844	CONFIRMED	BravoFiber, BravoFiber	sfo01-bravofiber01, sfo02-bravofiber01	2022-10-28 00:00	2022-10-28 06:00
☑	✗	tangowireless-NOC82383	CONFIRMED	TangoWireless, TangoWireless	lax01-tangowireless01, lax02-tangowireless01	2022-10-27 00:00	2022-10-27 06:00
☑	✗	BravoFiber-NOC1833	CONFIRMED	BravoFiber, BravoFiber	lax01-bravofiber01, lax02-bravofiber01	2022-10-27 00:00	2022-10-27 06:00
☑	✗	BravoFiber-NOC1834	CONFIRMED	BravoFiber, BravoFiber	mco01-bravofiber01, mco02-bravofiber01	2022-10-26 00:00	2022-10-26 06:00
☑	✗	BravoFiber-NOC1837	CONFIRMED	BravoFiber, BravoFiber	nyc01-bravofiber01, nyc02-bravofiber01	2022-10-25 00:00	2022-10-25 06:00
☑	✗	BravoFiber-NOC1830	CONFIRMED	BravoFiber, BravoFiber	grb01-bravofiber01, grb02-bravofiber01	2022-10-24 00:00	2022-10-24 06:00
☑	✗	BravoFiber-NOC1823	CONFIRMED	BravoFiber, BravoFiber	atw01-bravofiber01, atw02-bravofiber01	2022-10-23 00:00	2022-10-23 06:00
☑	✗	BravoFiber-NOC1840	CONFIRMED	BravoFiber, BravoFiber	phl01-bravofiber01, phl02-bravofiber01	2022-10-21 00:00	2022-10-21 06:00

Status

Provider

Circuit

Start time after

YYYY-MM-DD hh:mm:ss

End time before

YYYY-MM-DD hh:mm:ss

🔍 Apply   ✕ Clear

✎ Edit Selected   🗑 Delete Selected

50 ▾ per page

Showing 1-26 of 26

Editing 26 Circuit Maintenances

Ack	Name	Status	Providers	Circuits	Start time	End time
✘	BravoFiber-NOC1840	CONFIRMED	BravoFiber, BravoFiber	phl01-bravofiber01, phl02-bravofiber01	2022-10-21 00:00	2022-10-21 06:00
✘	BravoFiber-NOC1823	CONFIRMED	BravoFiber, BravoFiber	atw01-bravofiber01, atw02-bravofiber01	2022-10-23 00:00	2022-10-23 06:00
✘	BravoFiber-NOC1830	CONFIRMED	BravoFiber, BravoFiber	grb01-bravofiber01, grb02-bravofiber01	2022-10-24 00:00	2022-10-24 06:00
✘	BravoFiber-NOC1837	CONFIRMED	BravoFiber, BravoFiber	nyc01-bravofiber01, nyc02-bravofiber01	2022-10-25 00:00	2022-10-25 06:00
✘	BravoFiber-NOC1834	CONFIRMED	BravoFiber, BravoFiber	mco01-bravofiber01, mco02-bravofiber01	2022-10-26 00:00	2022-10-26 06:00
✘	BravoFiber-NOC1833	CONFIRMED	BravoFiber, BravoFiber	lax01-bravofiber01, lax02-bravofiber01	2022-10-27 00:00	2022-10-27 06:00
✘	tangowireless-NOC82383	CONFIRMED	TangoWireless, TangoWireless	lax01-tangowireless01, lax02-tangowireless01	2022-10-27 00:00	2022-10-27 06:00
✘	BravoFiber-NOC1844	CONFIRMED	BravoFiber, BravoFiber	sfo01-bravofiber01, sfo02-bravofiber01	2022-10-28 00:00	2022-10-28 06:00
✘	BravoFiber-NOC1839	CONFIRMED	BravoFiber, BravoFiber	pdx01-bravofiber01, pdx02-bravofiber01	2022-11-09 00:00	2022-11-09 06:00
✘	BravoFiber-NOC1843	CONFIRMED	BravoFiber, BravoFiber	sea01-bravofiber01, sea02-bravofiber01	2022-11-10 00:00	2022-11-10 06:00
✘	BravoFiber-NOC1836	CONFIRMED	BravoFiber, BravoFiber	msp01-bravofiber01, msp02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1838	CONFIRMED	BravoFiber, BravoFiber	ord01-bravofiber01, ord02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1841	CONFIRMED	BravoFiber, BravoFiber	phx01-bravofiber01, phx02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1842	CONFIRMED	BravoFiber, BravoFiber	sdg01-bravofiber01, sdg02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	tangowireless-NOC82376	CONFIRMED	TangoWireless, TangoWireless	dca01-tangowireless01, dca02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
✘	tangowireless-NOC82377	CONFIRMED	TangoWireless, TangoWireless	den01-tangowireless01, den02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1835	CONFIRMED	BravoFiber, BravoFiber	mia01-bravofiber01, mia02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1824	CONFIRMED	BravoFiber, BravoFiber	bos01-bravofiber01, bos02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1825	CONFIRMED	BravoFiber, BravoFiber	bwi01-bravofiber01, bwi02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1826	CONFIRMED	BravoFiber, BravoFiber	dca01-bravofiber01, dca02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1827	CONFIRMED	BravoFiber, BravoFiber	den01-bravofiber01, den02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1828	CONFIRMED	BravoFiber, BravoFiber	dfw01-bravofiber01, dfw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1829	CONFIRMED	BravoFiber, BravoFiber	dtw01-bravofiber01, dtw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1831	CONFIRMED	BravoFiber, BravoFiber	iah01-bravofiber01, iah02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✘	BravoFiber-NOC1832	CONFIRMED	BravoFiber, BravoFiber	las01-bravofiber01, las02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00

Attributes

Status	None
	☐ Set null
Ack	Unknown ▾
	☐ Set null
Description	None
	☐ Set null
Add tags	----------
Remove tags	----------

[Apply] [Cancel]

Editing 26 Circuit Maintenances

Ack	Name	Status	Providers	Circuits	Start time	End time
✗	BravoFiber-NOC1840	CONFIRMED	BravoFiber, BravoFiber	phl01-bravofiber01, phl02-bravofiber01	2022-10-21 00:00	2022-10-21 06:00
✗	BravoFiber-NOC1823	CONFIRMED	BravoFiber, BravoFiber	atw01-bravofiber01, atw02-bravofiber01	2022-10-23 00:00	2022-10-23 06:00
✗	BravoFiber-NOC1830	CONFIRMED	BravoFiber, BravoFiber	grb01-bravofiber01, grb02-bravofiber01	2022-10-24 00:00	2022-10-24 06:00
✗	BravoFiber-NOC1837	CONFIRMED	BravoFiber, BravoFiber	nyc01-bravofiber01, nyc02-bravofiber01	2022-10-25 00:00	2022-10-25 06:00
✗	BravoFiber-NOC1834	CONFIRMED	BravoFiber, BravoFiber	mco01-bravofiber01, mco02-bravofiber01	2022-10-26 00:00	2022-10-26 06:00
✗	BravoFiber-NOC1833	CONFIRMED	BravoFiber, BravoFiber	lax01-bravofiber01, lax02-bravofiber01	2022-10-27 00:00	2022-10-27 06:00
✗	tangowireless-NOC82383	CONFIRMED	TangoWireless, TangoWireless	lax01-tangowireless01, lax02-tangowireless01	2022-10-27 00:00	2022-10-27 06:00
✗	BravoFiber-NOC1844	CONFIRMED	BravoFiber, BravoFiber	sfo01-bravofiber01, sfo02-bravofiber01	2022-10-28 00:00	2022-10-28 06:00
✗	BravoFiber-NOC1839	CONFIRMED	BravoFiber, BravoFiber	pdx01-bravofiber01, pdx02-bravofiber01	2022-11-09 00:00	2022-11-09 06:00
✗	BravoFiber-NOC1843	CONFIRMED	BravoFiber, BravoFiber	sea01-bravofiber01, sea02-bravofiber01	2022-11-10 00:00	2022-11-10 06:00
✗	BravoFiber-NOC1836	CONFIRMED	BravoFiber, BravoFiber	msp01-bravofiber01, msp02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1838	CONFIRMED	BravoFiber, BravoFiber	ord01-bravofiber01, ord02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1841	CONFIRMED	BravoFiber, BravoFiber	phx01-bravofiber01, phx02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1842	CONFIRMED	BravoFiber, BravoFiber	sdg01-bravofiber01, sdg02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	tangowireless-NOC82376	CONFIRMED	TangoWireless, TangoWireless	dca01-tangowireless01, dca02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
✗	tangowireless-NOC82377	CONFIRMED	TangoWireless, TangoWireless	den01-tangowireless01, den02-tangowireless01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1835	CONFIRMED	BravoFiber, BravoFiber	mia01-bravofiber01, mia02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1824	CONFIRMED	BravoFiber, BravoFiber	bos01-bravofiber01, bos02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1825	CONFIRMED	BravoFiber, BravoFiber	bwi01-bravofiber01, bwi02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1826	CONFIRMED	BravoFiber, BravoFiber	dca01-bravofiber01, dca02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1827	CONFIRMED	BravoFiber, BravoFiber	den01-bravofiber01, den02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1828	CONFIRMED	BravoFiber, BravoFiber	dfw01-bravofiber01, dfw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1829	CONFIRMED	BravoFiber, BravoFiber	dtw01-bravofiber01, dtw02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1831	CONFIRMED	BravoFiber, BravoFiber	iah01-bravofiber01, iah02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00
✗	BravoFiber-NOC1832	CONFIRMED	BravoFiber, BravoFiber	las01-bravofiber01, las02-bravofiber01	2022-11-24 00:00	2022-11-24 06:00

Attributes

Status	None
	☐ Set null
Ack	✓ Unknown
	Yes
	No
Description	None
	☐ Set null
Add tags	----------
Remove tags	----------

[Apply] [Cancel]

Circuits / BravoFiber / atl01-bravofiber01 | Search circuits | 🔍 |

➕ Clone   ✏️ Edit   🗑 Delete

atl01-bravofiber01

Created Oct. 10, 2022 · Updated 20 minutes ago

Circuit   Advanced   Change Log

Circuit	
Status	**Active**
Provider	BravoFiber
Circuit ID	atl01-bravofiber01
Type	Fiber
Tenant	None
Install Date	Aug. 3, 2022
Commit Rate	—
Description	Primary circuit

Comments	
	Site primary circuit.

Tags	
	No tags assigned

Termination - A Side   ✏️ Edit ↕ Swap 🗑 Delete ⓘ Detail

Site	ATL01
Cable	#a376b03f-23b8-44e9-9c04-3b1a281a5473 🔗 to atl01sw01 (GigabitEthernet1/0/1) ✂️ Disconnect
Speed	—
IP Addressing	None
Cross-Connect	—
Patch Panel/Port	—
Description	—

Termination - Z Side   ✏️ Edit ↕ Swap 🗑 Delete ⓘ Detail

Provider Network	BravoFiberNetwork
Speed	—
IP Addressing	—
Cross-Connect	—
Patch Panel/Port	—
Description	—

Circuit Maintenances

Maintenance	Impact	Status	Start Date	Acknowledged
BravoFiber-NOC1822	OUTAGE	CONFIRMED	Nov. 24, 2022 12:00 a.m.	True

Circuit Maintenances / BravoFiber-NOC1822

Maintenance ID: BravoFiber-NOC1822

[✏ Edit] [🗑 Delete]

Created Oct. 10, 2022 · Updated 0 minutes ago

Circuit Maintenance   Change Log

Info	
Name	BravoFiber-NOC1822
Description	BravoFiber Maintenance Notification: NOC1822
Status	CONFIRMED
Start Time	Nov. 24, 2022 12:00 a.m.
End Time	Nov. 24, 2022 6:00 a.m.
Acknowledged	True
Notifying Provider	BravoFiber

Circuits							+ Add
ID	**Impact**	**Provider**	**Type**	**Status**	**A Side**	**Z Side**	**Description**
atl01-bravofiber01	OUTAGE	BravoFiber	Fiber	Active	ATL01	None	Primary circuit
atl02-bravofiber01	OUTAGE	BravoFiber	Fiber	Active	ATL02	None	Primary circuit

Notes	+ Add
None	

Notifications		
Subject	**Date**	**JSON**
MaintenanceNotification	Oct. 10, 2022 6:29 p.m.	"{\n \"account\": \"411328630796\",\n \"circuits\": [\n {\n \"circuit_id\": \"atl01-bravofiber01\",\n \"impact\": \"OUTAGE\"\n },\n {\n \"circuit_id\": \"atl02-bravofiber01\",\n \"im

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Circuit Maintenances / BravoFiber-NOC1822

Maintenance ID: BravoFiber-NOC1822

✏️ Edit   🗑 Delete

Created Oct. 10, 2022 · Updated 0 minutes ago

| Circuit Maintenance | Change Log |

Info	
Name	BravoFiber-NOC1822
Description	BravoFiber Maintenance Notification: NOC1822
Status	CONFIRMED
Start Time	Nov. 24, 2022 12:00 a.m.
End Time	Nov. 24, 2022 6:00 a.m.
Acknowledged	True
Notifying Provider	BravoFiber

Circuits   + Add   + Add

ID	Impact	Provider	Type	Status	A Side	Z Side	Description
atl01-bravofiber01	OUTAGE	BravoFiber	Fiber	Active	ATL01	None	Primary circuit
atl02-bravofiber01	OUTAGE	BravoFiber	Fiber	Active	ATL02	None	Primary circuit

Notes   + Add

None

Notifications

Subject	Date	JSON
MaintenanceNotification	Oct. 10, 2022 6:29 p.m.	"{\n \"account\": \"411328630796\",\n \"circuits\": [\n {\n \"circuit_id\": \"atl01-bravofiber01\",\n \"impact\": \"OUTAGE\"\n },\n {\n \"circuit_id\": \"atl02-bravofiber01\",\n \"im

Circuit Maintenance Dashboard

Circuits With Maintenances in the Next 30 Days

Circuit ID	Sites	Circuit Status	Maintenance Start
atl01-bravofiber01	ATL01	Active	2022-10-07 00:00 UTC
atl02-bravofiber01	ATL02	Active	2022-10-07 00:00 UTC
bos01-bravofiber01	BOS01	Active	2022-10-07 00:00 UTC
bos02-bravofiber01	BOS02	Active	2022-10-07 00:00 UTC
bwi01-bravofiber01	BWI01	Active	2022-10-07 00:00 UTC
bwi02-bravofiber01	BWI02	Active	2022-10-07 00:00 UTC
den02-bravofiber01	DEN02	Active	2022-10-07 00:00 UTC
dfw01-bravofiber01	DFW01	Active	2022-10-07 00:00 UTC
dtw02-bravofiber01	DTW02	Active	2022-10-07 00:00 UTC
iah01-bravofiber01	IAH01	Active	2022-10-07 00:00 UTC
las02-bravofiber01	LAS02	Active	2022-10-07 00:00 UTC
mia02-bravofiber01	MIA02	Active	2022-10-07 00:00 UTC
msp02-bravofiber01	MSP02	Active	2022-10-07 00:00 UTC
ord02-bravofiber01	ORD02	Active	2022-10-07 00:00 UTC
mco01-bravofiber01	MCO01	Active	2022-10-08 00:00 UTC
atw01-bravofiber01	ATW01	Active	2022-10-09 00:00 UTC
grb02-bravofiber01	GRB02	Active	2022-10-09 00:00 UTC
grb01-bravofiber01	GRB01	Active	2022-10-09 00:00 UTC
nyc01-bravofiber01	NYC01	Active	2022-10-11 00:00 UTC
nyc02-bravofiber01	NYC02	Active	2022-10-11 00:00 UTC

Devices with Maintenances in the Next 30 Days

Device Name	Maintenance Start
atl01sw01	2022-10-07 00:00 UTC
atl02sw01	2022-10-07 00:00 UTC
bos01sw01	2022-10-07 00:00 UTC
bos02sw01	2022-10-07 00:00 UTC
bwi01sw01	2022-10-07 00:00 UTC
bwi02sw01	2022-10-07 00:00 UTC
den02sw01	2022-10-07 00:00 UTC
dfw01sw01	2022-10-07 00:00 UTC
dtw02sw01	2022-10-07 00:00 UTC
iah01sw01	2022-10-07 00:00 UTC
las02sw01	2022-10-07 00:00 UTC
mia02sw01	2022-10-07 00:00 UTC
msp02sw01	2022-10-07 00:00 UTC
ord02sw01	2022-10-07 00:00 UTC
mco01sw01	2022-10-08 00:00 UTC
atw01sw01	2022-10-09 00:00 UTC
grb02sw01	2022-10-09 00:00 UTC
grb01sw01	2022-10-09 00:00 UTC
nyc01sw01	2022-10-11 00:00 UTC
nyc02sw01	2022-10-11 00:00 UTC
sea01sw01	2022-10-13 00:00 UTC

atw01sw01	2022-10-09 00:00 UTC
grb02sw01	2022-10-09 00:00 UTC
grb01sw01	2022-10-09 00:00 UTC
nyc01sw01	2022-10-11 00:00 UTC
nyc02sw01	2022-10-11 00:00 UTC
sea01sw01	2022-10-13 00:00 UTC
pdx01sw01	2022-10-13 00:00 UTC
lax02sw01	2022-10-13 00:00 UTC
lax01sw01	2022-10-13 00:00 UTC
sfo02sw01	2022-10-13 00:00 UTC
sfo01sw01	2022-10-13 00:00 UTC

Metrics

Metric	Metric Value
Upcoming Maintenances	26
Historical - 7 Day	0
Historical - 30 Days	0
Historical - 365 Days	0
Average Duration of Maintenances	360.0 minutes
Future Maintenances	26
Average Number of Maintenances Per Month	26.0
Future Maintenance to Circuit Ratio	0.28

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Circuit Maintenance Dashboard

Jobs
Jobs
Job Approval Queue
Scheduled Jobs
Job Results
Job Hooks   ➕

Circuits With Maintenances in the Next 30 Days

Circuit ID	Sites	Circuit S...	...ance Start
mia01-bravofiber01	MIA01	Active	2022-10-07 00:00 UTC
dca01-bravofiber01	DCA01	Active	2022-10-07 00:00 UTC
dca02-bravofiber01	DCA02	Active	2022-10-07 00:00 UTC
den01-bravofiber01	DEN01	Active	2022-10-07 00:00 UTC
den01-tangowireless01	DEN01	Active	2022-10-07 00:00 UTC
dfw01-tangowireless01	DFW01	Active	2022-10-07 00:00 UTC
dfw02-bravofiber01	DFW02	Active	2022-10-07 00:00 UTC
dtw01-bravofiber01	DTW01	Active	2022-10-07 00:00 UTC
iah02-bravofiber01	IAH02	Active	2022-10-07 00:00 UTC
las01-bravofiber01	LAS01	Active	2022-10-07 00:00 UTC
phx02-bravofiber01	PHX02	Active	2022-10-07 00:00 UTC
sdg01-bravofiber01	SDG01	Active	2022-10-07 00:00 UTC
sdg02-bravofiber01	SDG02	Active	2022-10-07 00:00 UTC
atl01-bravofiber01	ATL01	Active	2022-10-07 00:00 UTC
atl02-bravofiber01	ATL02	Active	2022-10-07 00:00 UTC
mco01-bravofiber01	MCO01	Active	2022-10-07 00:00 UTC
mco02-bravofiber01	MCO02	Active	2022-10-07 00:00 UTC
atl02-bravofiber01	ATL02	Active	2022-10-07 00:00 UTC
bos01-bravofiber01	BOS01	Active	2022-10-07 00:00 UTC
bos02-bravofiber01	BOS02	Active	2022-10-07 00:00 UTC

localhost:8080/plugins/circuit-maintenance/maintenance/overview/#

Circuit Maintenance Dashboard

Jobs

Jobs

Job Approval Queue

Scheduled Jobs

Job Results

Job Hooks

Circuits With Maintenances in the Next 30 Days

Circuit ID	Sites	Circuit S...	...ance Start
mia01-bravofiber01	MIA01	Active	2022-10-07 00:00 UTC
dca01-bravofiber01	DCA01	Active	2022-10-07 00:00 UTC
dca02-bravofiber01	DCA02	Active	2022-10-07 00:00 UTC
den01-bravofiber01	DEN01	Active	2022-10-07 00:00 UTC
den01-tangowireless01	DEN01	Active	2022-10-07 00:00 UTC
dfw01-tangowireless01	DFW01	Active	2022-10-07 00:00 UTC
dfw02-bravofiber01	DFW02	Active	2022-10-07 00:00 UTC
dtw01-bravofiber01	DTW01	Active	2022-10-07 00:00 UTC
iah02-bravofiber01	IAH02	Active	2022-10-07 00:00 UTC
las01-bravofiber01	LAS01	Active	2022-10-07 00:00 UTC
phx02-bravofiber01	PHX02	Active	2022-10-07 00:00 UTC
sdg01-bravofiber01	SDG01	Active	2022-10-07 00:00 UTC
sdg02-bravofiber01	SDG02	Active	2022-10-07 00:00 UTC
atl01-bravofiber01	ATL01	Active	2022-10-07 00:00 UTC
atl02-bravofiber01	ATL02	Active	2022-10-07 00:00 UTC
mco01-bravofiber01	MCO01	Active	2022-10-07 00:00 UTC
mco02-bravofiber01	MCO02	Active	2022-10-07 00:00 UTC
atl02-bravofiber01	ATL02	Active	2022-10-07 00:00 UTC
bos01-bravofiber01	BOS01	Active	2022-10-07 00:00 UTC
bos02-bravofiber01	BOS02	Active	2022-10-07 00:00 UTC

localhost:8080/plugins/circuit-maintenance/maintenance/overview/#

Jobs

[⚙ Configure] [Collapse All]

Name	Enabled	Description	Last run	Last status				
⌄ **Circuit Maintenance**								
Find Sites With Circuit Maintenance Overlap	✔	Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.	Never	N/A	▶	🕑	✏	🗑
Update Circuit Maintenances	✔	Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.	Oct. 10, 2022 7:29 p.m. by admin	Completed	▶	🕑	✏	🗑

[50 ▾] per page
Showing 1-2 of 2

🔍 Search

[Search] [🔍]

Installed

| Yes | × | ▾ |

Enabled

| ---------- | ▾ |

Commit default

| ---------- | ▾ |

Hidden

| No | × | ▾ |

Read only

| ---------- | ▾ |

Approval required

| ---------- | ▾ |

Tags

| ---------- |

[🔍 Apply] [✖ Clear]

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search   🔍   👤 admin ▾

Local

Jobs

⚙ Configure   **Collapse All**

Name	Enabled	Description	Last run	Last status				
⌄ **Circuit Maintenance**								
Find Sites With Circuit Maintenance Overlap	✓	Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.	Never	N/A	▶	🕘	✏	🗑
Update Circuit Maintenances	✓	Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.	Never	N/A	▶	🕘	✏	🗑

50 ⌄ per page
Showing 1-2 of 2

🔍 Search

Search   🔍

Installed
Yes   ✕ ⌄

Enabled
---------   ⌄

Has sensitive variables
---------   ⌄

Commit default
---------   ⌄

Hidden
No   ✕ ⌄

Read only
---------   ⌄

Approval required
---------   ⌄

Is job hook receiver
No   ✕ ⌄

Tags

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search 🔍   👤 admin ▾

Local

Jobs

⚙ Configure   Collapse All

Name	Enabled	Description	Last run	Last status				
∨ Circuit Maintenance								
Find Sites With Circuit Maintenance Overlap	✔	Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.	Never	N/A	▶	🕑	✏	🗑
Update Circuit Maintenances	✔	Fetch Circuit Maintenance Notifications from Sources and create or update Circuit Maintenances accordingly.	Never	N/A	▶	🕑	✏	🗑

50 ▾ per page
Showing 1-2 of 2

🔍 Search

Search   🔍

Installed
Yes   × ▾

Enabled
---------   ▾

Has sensitive variables
---------   ▾

Commit default
---------   ▾

Hidden
No   × ▾

Read only
---------   ▾

Approval required
---------   ▾

Is job hook receiver
No   × ▾

Tags

Find Sites With Circuit Maintenance Overlap

Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.

Run

> ℹ This job does not require any input to run.

☑ Commit changes
Commit changes to the database (uncheck for a dry-run)

[▶ Run Job Now] [Cancel]

>>> nautobot Organization ▾ Devices ▾ IPAM ▾ Virtualization ▾ Circuits ▾ Power ▾ Secrets ▾ Jobs ▾ Extensibility ▾ Plugins ▾

Search 🔍 👤 admin ▾

Find Sites With Circuit Maintenance Overlap

Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.

Run

ℹ This job does not require any input to run.

☑ Commit changes
Commit changes to the database (uncheck for a dry-run)

▶ Run Job Now   Cancel

>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search 🔍   👤 admin ▾

# Find Sites With Circuit Maintenance Overlap - Job Result - Completed

🗑 Delete

Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.

Log   Advanced   Additional Data   Source

Summary of Results	
Status	Completed
Started at	Oct. 10, 2022 7:35 p.m.
User	admin
Duration	0 minutes, 0.50 seconds

Logs

Filter

Time	Grouping	Level	Object	Message
2022-10-10 19:35:49.471703	run	Warning	LAX01	There is an overlapping maintenance for site: LAX01 on 2022-10-27 00:00:00+00:00. Other maintenances: tangowireless-NOC82383|BravoFiber-NOC1833
2022-10-10 19:35:49.497069	run	Warning	LAX02	There is an overlapping maintenance for site: LAX02 on 2022-10-27 00:00:00+00:00. Other maintenances: tangowireless-NOC82383|BravoFiber-NOC1833
2022-10-10 19:35:49.539679	run	Warning	DCA01	There is an overlapping maintenance for site: DCA01 on 2022-11-24 00:00:00+00:00. Other maintenances: BravoFiber-NOC1826|tangowireless-NOC82376
2022-10-10 19:35:49.541858	run	Warning	DCA02	There is an overlapping maintenance for site: DCA02 on 2022-11-24 00:00:00+00:00. Other maintenances: BravoFiber-NOC1826|tangowireless-NOC82376
2022-10-10 19:35:49.548685	run	Warning	DEN01	There is an overlapping maintenance for site: DEN01 on 2022-11-24 00:00:00+00:00. Other maintenances: BravoFiber-NOC1827|tangowireless-NOC82377
2022-10-10 19:35:49.550697	run	Warning	DEN02	There is an overlapping maintenance for site: DEN02 on 2022-11-24 00:00:00+00:00. Other maintenances: BravoFiber-NOC1827|tangowireless-NOC82377
2022-10-10 19:35:49.588660	run	Success	—	Successfully checked through 26 maintenance notifications.

Job Results / Circuit Maintenance / Find Sites With Circuit Maintenance Overlap / Oct. 10, 2022 7:35 p.m.

Find Sites With Circuit Maintenance Overlap - Job Result - Completed

🗑 Delete

Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.

| Log | Advanced | Additional Data | Source |

Summary of Results

Status	Completed
Started at	Oct. 10, 2022 7:35 p.m.
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Logs   [Filter]

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>>> nautobot   Organization ▾   Devices ▾   IPAM ▾   Virtualization ▾   Circuits ▾   Power ▾   Secrets ▾   Jobs ▾   Extensibility ▾   Plugins ▾

Search   🔍   👤 admin ▾

Job Results / Circuit Maintenance / Find Sites With Circuit Maintenance Overlap / Oct. 10, 2022 7:35 p.m.

Find Sites With Circuit Maintenance Overlap - Job Result - Completed

🗑 Delete

Search for sites with overlapping circuit maintenances, 1 or more circuit impacts, assuming only TWO circuits per site.

| Log | Advanced | Additional Data | Source |

Summary of Results

Status	**Completed**
Started at	Oct. 10, 2022 7:35 p.m.
User	admin
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