



A gateway for partners to digitally connect with customers and get insights to grow their business

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Cisco Webex App

Questions?

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- 1 Find this session in the Cisco Live Mobile App
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Webex spaces will be moderated until February 24, 2023.





Agenda

- Introduction
- PX Cloud APIs
- Partner Use Cases
- Resources

Introduction



Partner Lifecycle Services

Flexibility, Choice, and Partner Opportunity

Offer	Support model	Service creation and delivery]	Digital experience			
Cisco Delivered (resell)	Cisco Solution Support	Cisco ATXs and Accelerators						
Success Tracks with PX Cloud	Cisco Solution Support							
Partner Enhanced (resell or co-sell)	Olana Calulian Constant	Cisco	Partner	CX Cloud	Partner publishing	API	API	API
Success Tracks with PX Cloud Enhanced Access	Cisco Solution Support	ATXs and Accelerators	ATXs and Accelerators	PX Cloud	on CX Cloud			L3
Partner Led PLS-Success Tracks with PX Cloud APIs	PLS-Support	Cisco ATXs and Accelerators	Partner ATXs and Accelerators	PX Cloud *		API L1	API L2	API L3

Each offer requires different eligibility requirements.

PLS-Success Tracks, PX Cloud and PX Cloud Enhanced Access are future releases.



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^{*} Partners have the choice to create their own digital experience or use CX Cloud.

Cisco Success Tracks

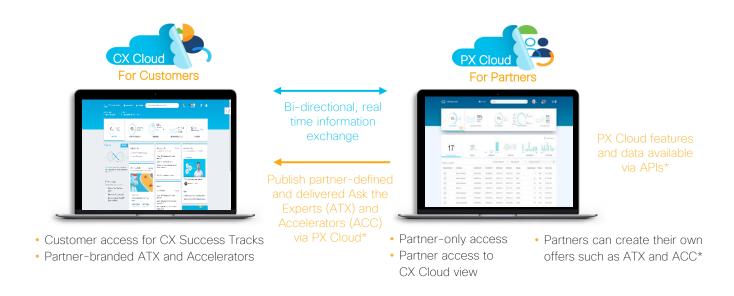
Holistic services package for all architectures

		Level 2 Includes level 1	Level 3 Includes level 2
	Level 1	includes level 1	Future
Expert Resources	Ask the Experts Success Tracks communities Cisco® community Success Tips	Accelerators*	Expert Engagements*
Trusted Support	Solution Support 30-minute critical response 8x5 NBD RMA	Solution Support 30-minute critical response 8x5 NBD RMA	Solution Support 15-minute critical response 8x5 NBD RMA
Insights and Analytics	Adoption view Assets and license view Case management Security Advisories, Field Notices, and Priority Bugs Rapid problem resolution	Case management KPIs Automated fault management Optimal software versions Regulatory compliance checks Risk mitigation checks	Asset and license insights Predictive operational insights Architecture insights
Contextual Learning	e-Learning	Remote practice labs Certification preparation	Customized group training



CX Cloud and PX Cloud

Leverage insights to your advantage



^{*} PX Cloud Enhanced Access features. Available only to Customer Experience Specialized or Advanced Customer Experience Specialized partners.



PX Cloud APIs



Why APIs?



Opportunities



Real-time visibility of customer's data



Access to Cisco's recommendations



Telemetry based on Cisco's IC



Solution

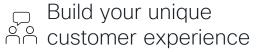


PX Cloud APIs

Integrate CX business and technology insights with your in-house 3rd party platforms.

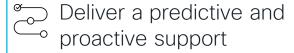


Outcomes



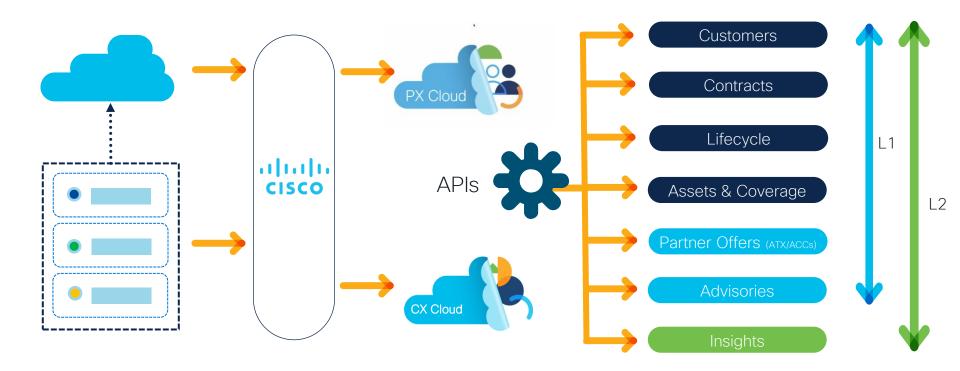


Drive customer adoption and renewals



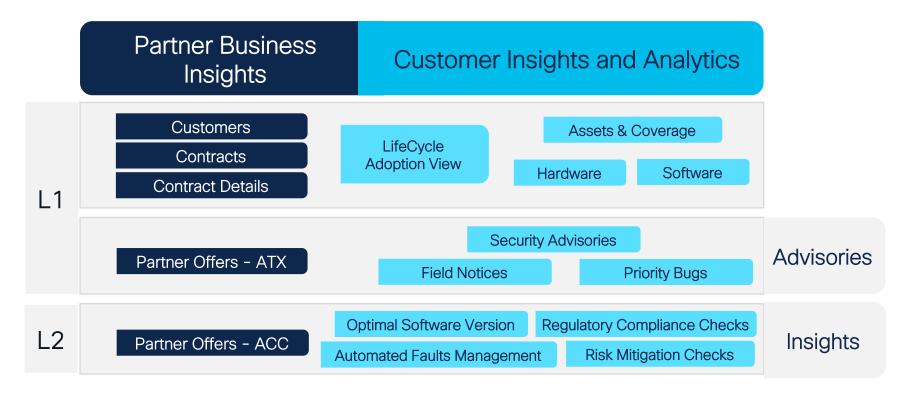


Cisco PX Cloud APIs at a glance





Cisco PX Cloud APIs





PX Cloud APIs





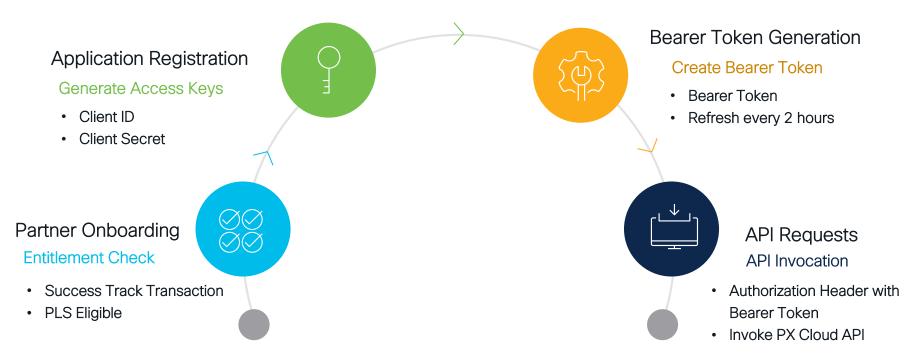
{RESTful} {JSON} Response



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PX Cloud API Access

From partner onboarding to API requests



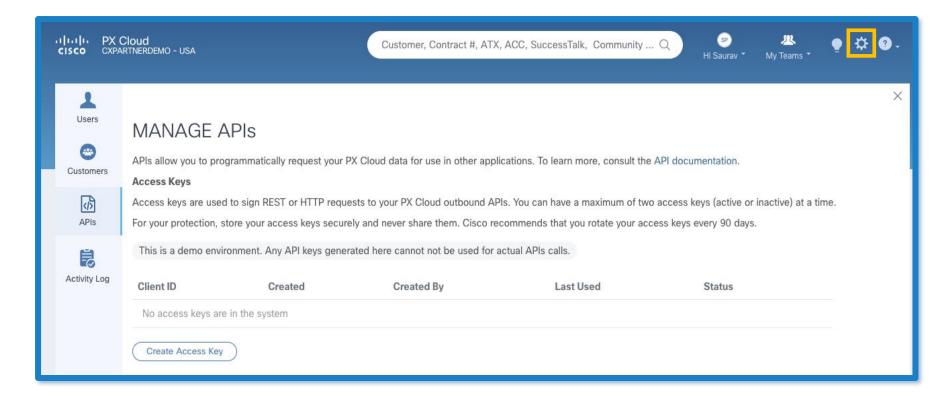


Demo

cisco live!



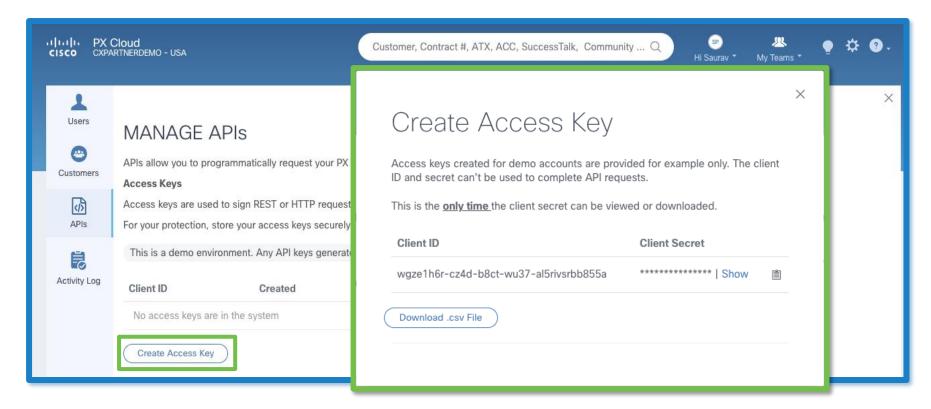
Application registration



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Application registration





PX Cloud APIs

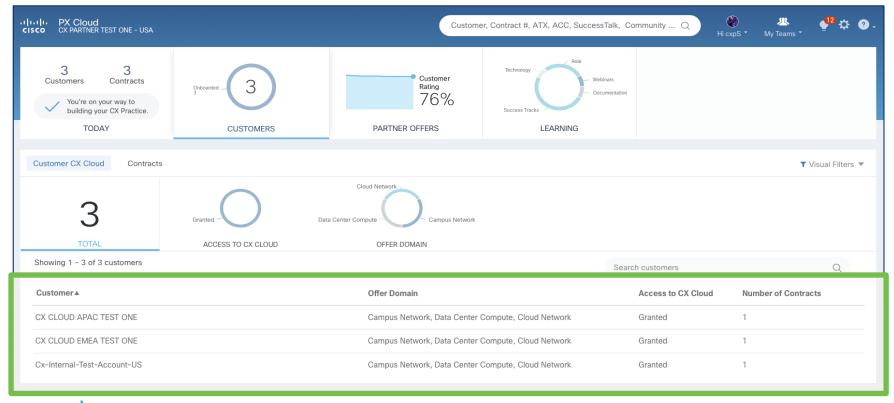
Partner Business Insights





How to find your list of customers

PX Cloud Portal



List of customers

API response

```
Get: https://api-cx.cisco.com/px/v1/customers
"items": [
                                                                "customerName": "Cx-Internal-Test-Account-US",
                                                                "customerld": "B0zOXTjY3BCzK0",
    "customerName": "CX CLOUD EMEA TEST ONE",
                                                                "successTracks": [
    "customerld": "GPLwztDM2ZSjK0X",
    "successTracks":[
                                                                    "id": "38396885",
                                                                    "access": true
         "id": "38396885",
         "access": true
                                                                    "id": "40485321",
                                                                     "access": true
         "id": "40485321".
         "access": true
                                                           "totalCount": 2
```

PX Cloud APIs

Customer Data



Customer Adoption View

/v1/customers/{customerld}/lifecycle

Customer Data Reports

/v1/customers/{customerld}/report

Customer Data & Analytics

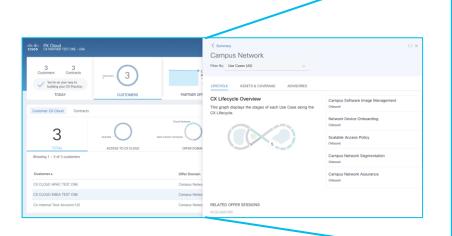


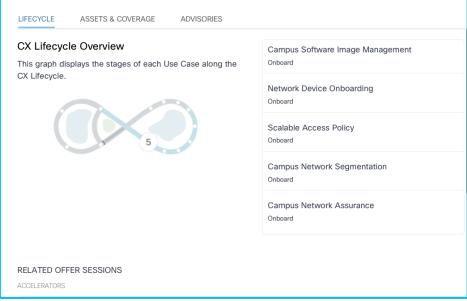
Note: Customer must approve Partner access



Customer adoption view

PX Cloud Portal







Customer adoption view

API response

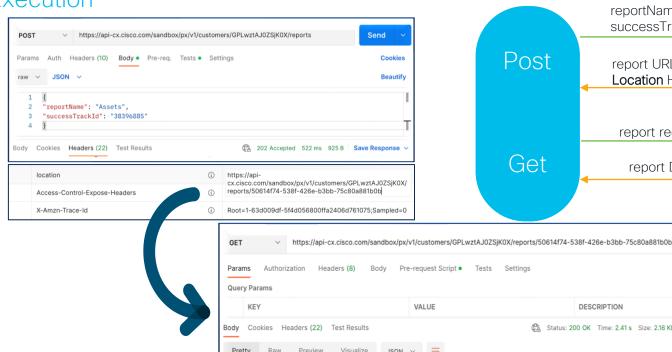
Get: https://api-cx.cisco.com/px/v1/customers/{customerId}/lifecycle

```
"items": [
     "successTrack": "Campus Network",
     "id": "38396885",
     "usecases": [
          "name": "Network Device Onboarding",
          "id": "39304061".
          "currentPitstop": "Onboard",
          "pitstops": [ ... ]
          "name": "Campus Network Assurance",
          "id": "39304064",
          "currentPitstop": "Onboard",
          "pitstops": [ ... ]
```

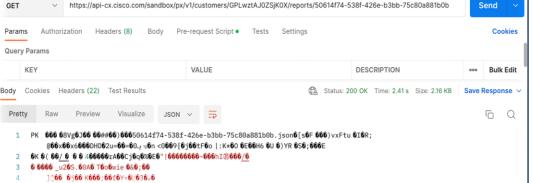
```
"pitstops": [
      "name": "Engage",
       "pitstopActions": [
       "name": "View the Plug and Play Page",
       "id": "IBN BAM NDO ENG 1",
       "completed": false,
       "manualCheckAllowed": false
       "name": "View the Inventory Page",
       "id": "IBN BAM NDO ENG 2",
       "completed": false,
       "manualCheckAllowed": false
```

Customer Data Reports API











Customer Data Reports

Hardware

assetId Product Details

Coverage Details
Hardware Details
End of Life Details

Assets

assetId

Product Details
Coverage Details
End of Life Details

assetId

Software

assetId
Product Details
Coverage Details
End of Life Details

Security Advisories

assetId advisoryId Advisory Details Affected Details CVV, CVSS

Priority Bugs

assetId bugId Product Details Bug Details

Field Notices

assetId fieldNoticeId Product Details Field Notice Details Affected Details

Licences

assetId License Details Coverage & Subscription Details

Licences with Assets

assetId License Details Product Details

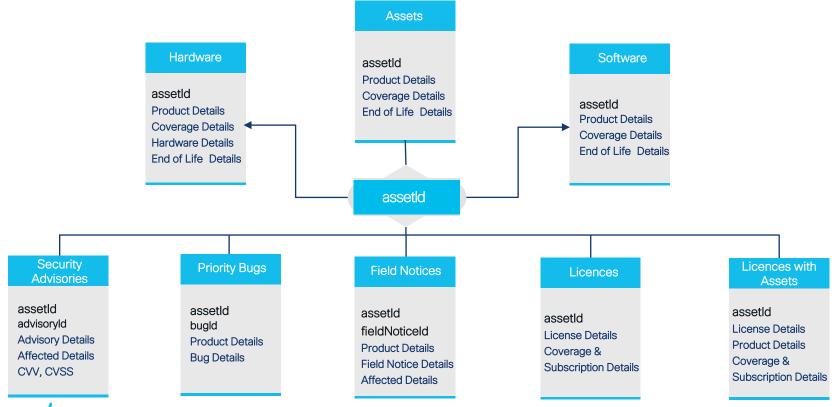
Product Details

Coverage &

Subscription Details



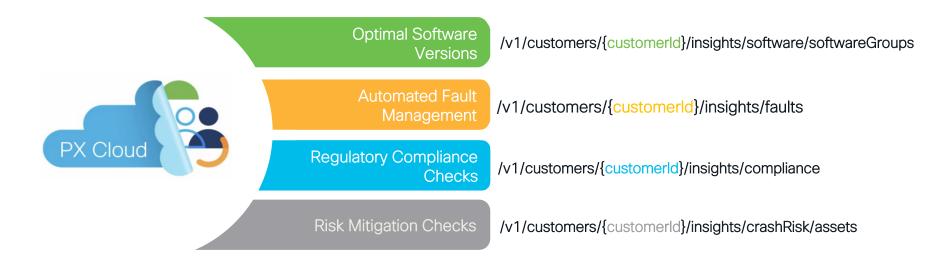
Customer Data Reports - Mapping



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PX Cloud APIs

Customer Data Insights



Customer Data INSIGHTS

Note: Customer must approve Partner access

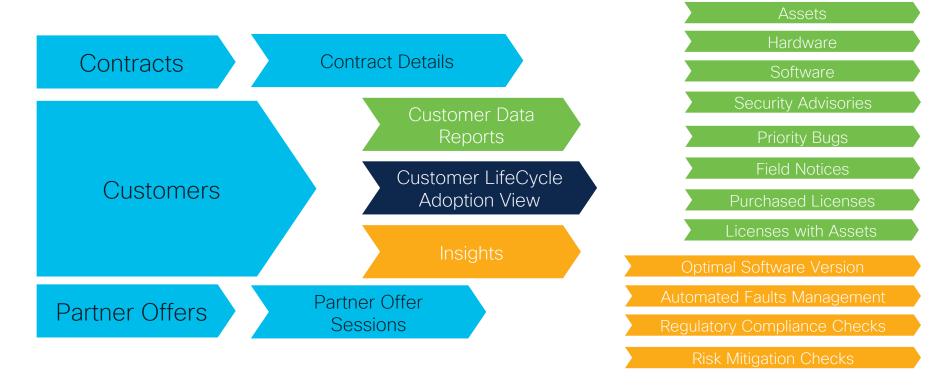


Supported Success Tracks

APIs

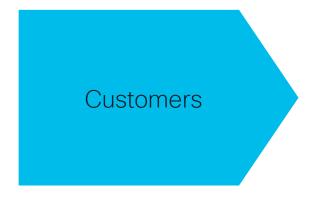
API Data	Campus Network	Data Center Compute	Cloud Network
Lifecycle	Ø		
Assets & Coverage	•	<	Ø
Advisories	•	\checkmark	Ø
Insights	Ø	8	×



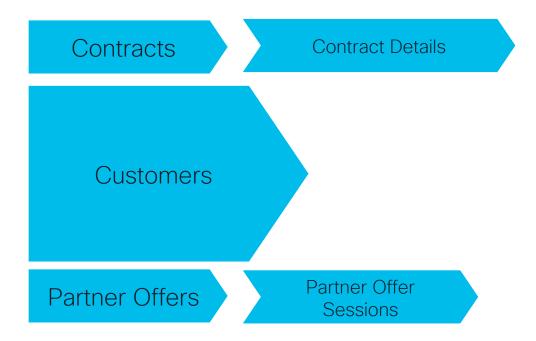


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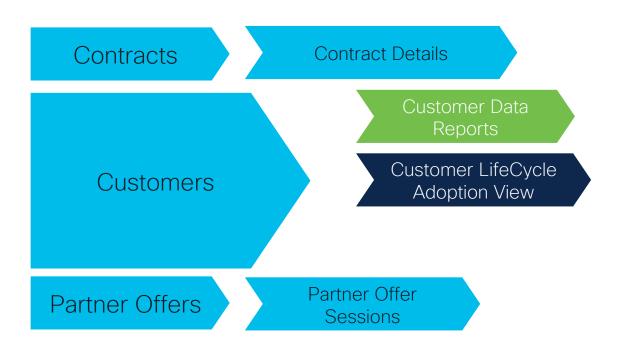






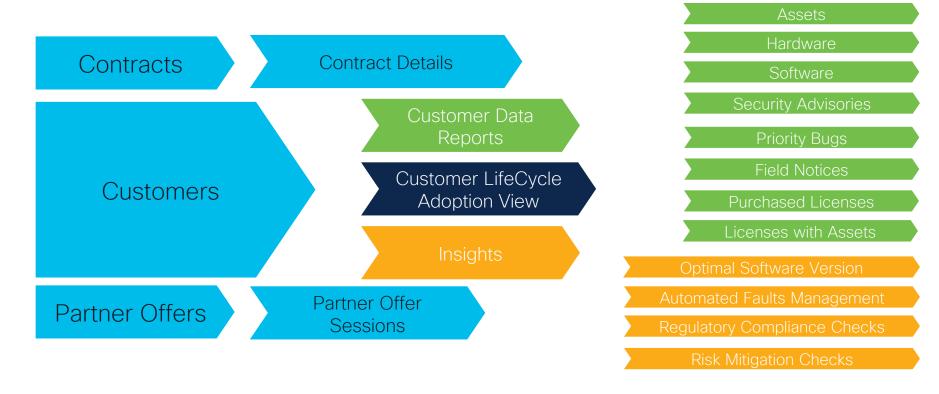












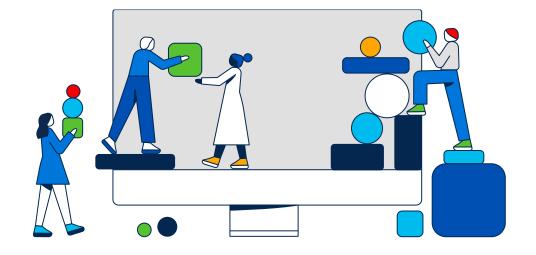
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API Sandbox

https://api-cx.cisco.com/sandbox/px/v1/

- No Onboarding Required
- No PLS Offer Required
- Dedicated Access Keys
- Play with mock APIs





Developer Tools



Swagger Documentation



Collection

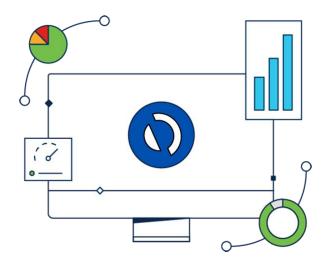


Java, Python Samples





Data Miner JSON, CSV Download Utility





API Error Codes

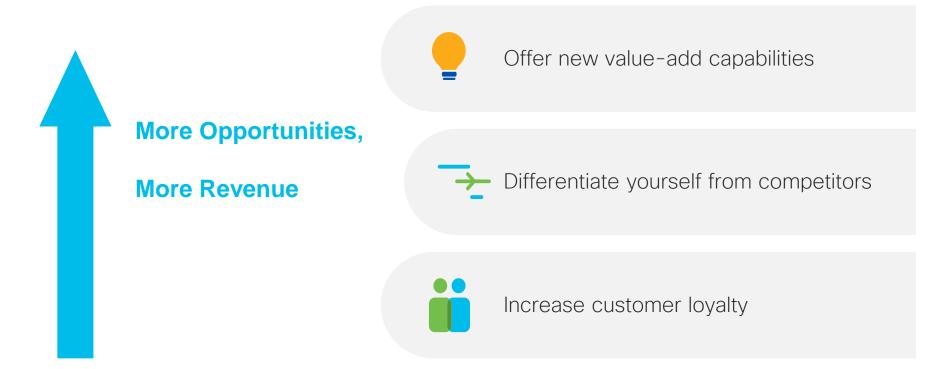
Status Code	Status Message	Meaning
400	Bad Request	Request was malformed or the contents invalid
401	Unauthorized	Authorization missing or access denied
403	Forbidden	Access not allowed
404	Not found	Resource not found
429	Too Many Requests	Client has sent too many requests in a given amount of time
500	Internal Server Error	The server encountered an unexpected condition
502	Bad Gateway	Invalid response from another server while processing the request
503	Service Unavailable	Server is unable to complete request
504	Gateway Timeout	Timeout encountered from another server while processing request



Use Cases



Leverage PX Cloud APIs to Build New Partner Services





Targeted Onboarding Services

Use Case

PX Cloud Feature

Relevant PX Cloud APIs

Enabled Partner Use Case

View customers' Lifecycle Stage



• Customer Lifecycle API

Returns the following customer lifecycle data:

- CX solution
- o Use case
- Pitstop information for the customer

- By maintaining a library of services across the Lifecycle, you can help customers meet their needs based on their product maturity
- Learning that the customer is currently in the onboarding stage allows you to tailor your conversation with customer to focus on deployment and training offerings.

Lifecycle Services (Customer Adoption View)



Software Image Management

Use Case

PX Cloud Feature

Relevant PX Cloud APIs

Enabled Partner Use Case

Asset Management: Software Version Information



- Affected Assets (via reports)
- Insights Software Groups
- Create and implement software golden image: Use Cisco-provided install base data to rationalize software versions across the customer network.
- On-going Software management:
 Leverage optimal software version
 functionality to ensure golden image is
 up-to-date, all known patches and
 work-arounds are applied, and to
 manage any needed golden

Proactive Network Management



Known Issue Identification & Remediation

Use Case

PX Cloud Feature

Relevant PX Cloud APIs

Enabled Partner Use Case

Cisco's known issue insights



- Affected Assets
- Insights Crash Risk
- Insights Fault Summary
- Priority bugs

- Cisco products: Use Cisco-provided diagnostic and risk data to remediate potential issues before
- Multi-vendor environment: Combine Cisco PX Cloud insights with insights partners collect about non-Cisco OEM devices to create a more holistic view of their customers' networks

Proactive Network Management



Integration of PX Cloud with 3rd party CS* platforms

Use Case

PX Cloud Feature

Relevant PX Cloud APIs

Enabled Partner Use Case

Customer Lifecycle and Insights data



- Customer Lifecycle
- Assets
- Field Notices
- Insights Faults
- Insights Software Groups
- Insights Compliance
- Insights Crash Risk

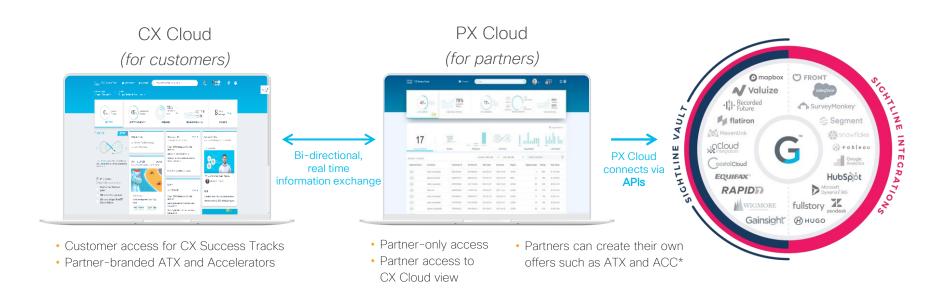
- APIs allow for integration of PX Cloud data with your choice of customer success platform, such as NetformX, Gainsight, Totango and ServiceNow or your own proprietary platform.
- Integrate Cisco data and insights into existing platforms to reduce training and overhead costs while also providing a single pane of glass view for customers.

Managed Services

*CS: Customer Success



Cisco PX Cloud Integration with Gainsight





Resources



PX Cloud Developer Portal - DevNet

https://cs.co/api





Resources

PX Cloud for Partners Learning Map

https://salesconnect.cisco.com/#/mylearningmap/SC_LMS_2568

Success Tracks for Partners Hub

https://salesconnect.cisco.com/#/program/PAGE-16808

PX Cloud API documentation (Cisco DevNet)

https://developer.cisco.com/docs/px-cloud/

CX Success Hub

https://www.cisco.com/c/m/en_us/successhub.html



What's your current status with the PX Cloud and APIs?

Participants can vote at Slido.com with #3989321





Get Ready Cisco PX Cloud

Complete PLS Eligibility

- Cisco Customer Experience Specialization: Specialized or Advanced level
- Partner Program enrollment with PLS Terms
- Sell Success Tracks to Customers
- Onboard PX Cloud

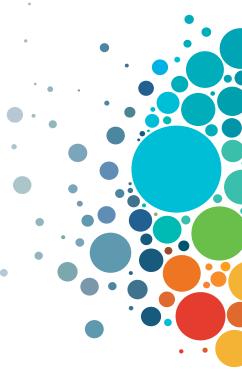
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- Complete on-line learning
- Log in to platform
- Request Customer for access to CX Cloud Data

Complete your Session Survey

- Please complete your session survey after each session. Your feedback is important.
- All surveys can be taken in the Cisco Events Mobile App or by logging in to the Session Catalog and clicking the "Attendee Dashboard" at

https://www.ciscolive.com/emea/learn/sessions/session-catalog.html



Continue Your Education



Visit the Cisco Showcase for related demos.



Book your one-on-one Meet the Engineer meeting.



Attend any of the related sessions at the DevNet, Capture the Flag, and Walk-in Labs zones.



Visit the On-Demand Library for more sessions at <u>ciscolive.com/on-demand</u>.





Thank you



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