Publishing Apps on Splunkbase

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Agenda

Cover the key aspects of publishing and maintaining apps on Splunkbase

1) **What is Splunkbase?**

2) **Publishing App**
Using UI and API to publish and maintain apps

3) **Certifying App**
Steps required to certify apps for hosting on Splunkbase and use in Splunk Cloud

4) **Demo**
Demo on how navigate Splunkbase to publish and maintain apps

5) **Telemetry**
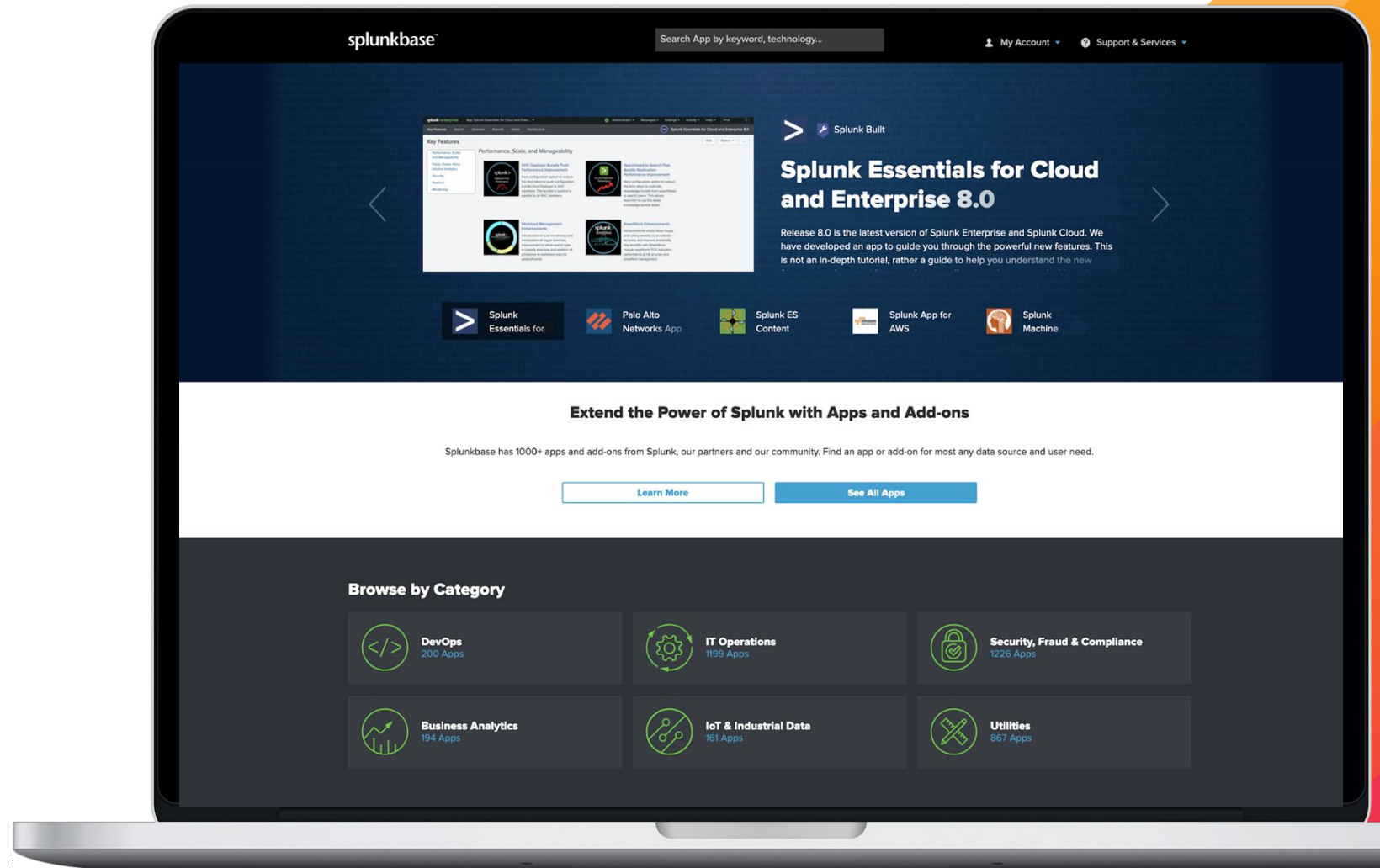Leveraging app usage data and metrics

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What is Splunkbase?

Splunkbase

- App Distribution Platform

- Apps by Splunk and 3rd Party Developers

- APIs for App Install from within Splunk

- Users extend the power of Splunk

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Splunkbase by the Numbers

2400+

Apps hosted on
Splunkbase

40K

Daily
active users

8 Mill

Total
downloads

1100+

New releases
last 90 days

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Publishing Your App

How to get your app in from customers

How to Publish an App?

Splunk Cloud and Splunk Enterprise

Two ways to submit apps to Splunkbase

- Submit with the Web UI
  - Navigate to https://splunkbase.splunk.com/develop/ and click Submit Your App.

- Submit with the REST API
  - Use API endpoint https://splunkbase.splunk.com/api/v1/app/APPID/new_release/ to submit an app.
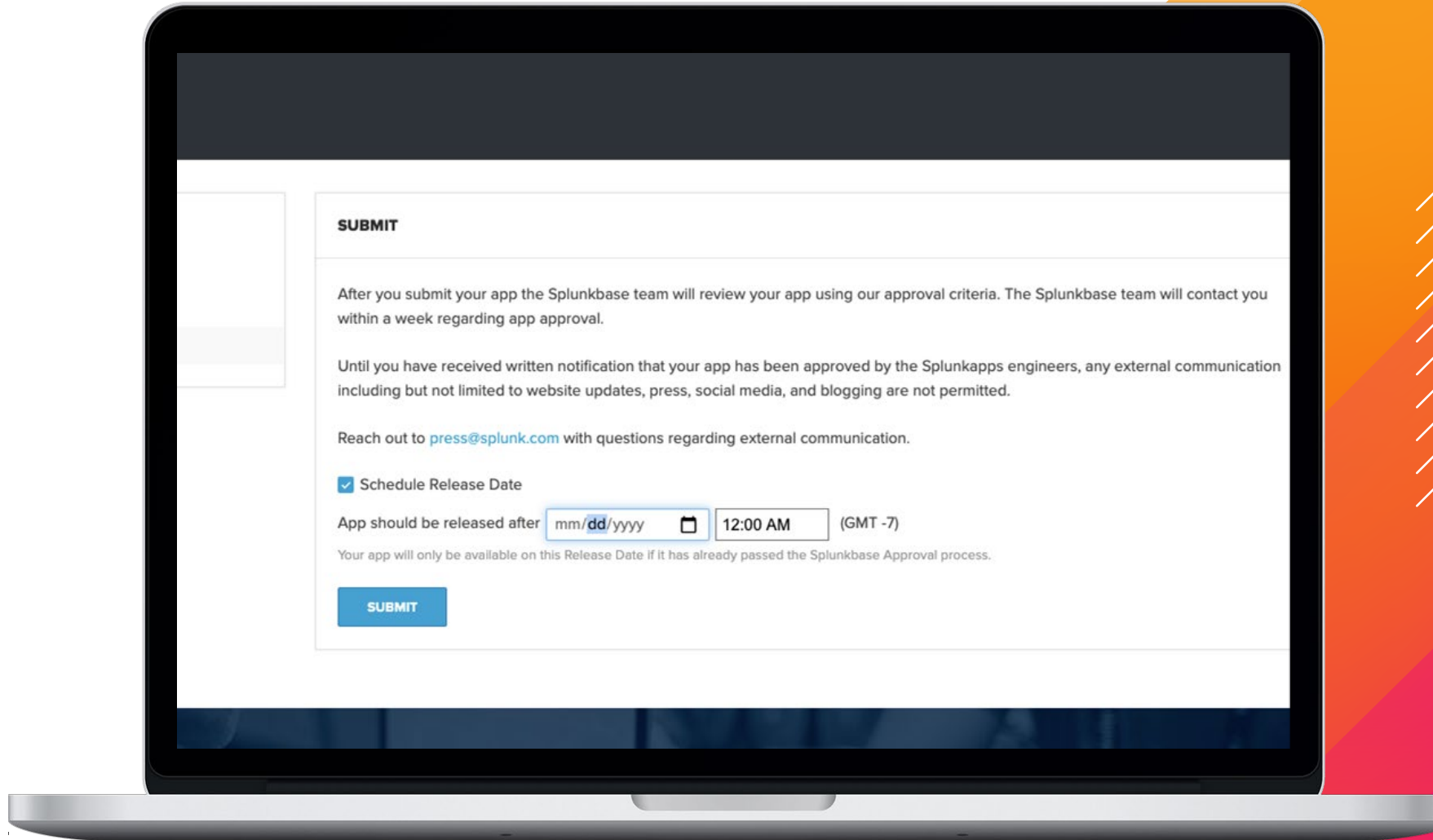 - This tutorial on Splunk developer guide describes this API in great detail.

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Archiving Apps

Present up-to-date and relevant content

- Refers to the process of removing an app marked "archived" from Splunkbase default search results.

- App publisher can archive owned content from **Manage App** page on Splunkbase.

- Splunkbase performs automatic archiving on a monthly basis under certain criteria.

- App publisher can request to reinstate an archived app.

- To learn more see App archiving.

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Schedule Release

- Schedule GTM activities to coincide with release date

Enable API Access

Manage App Releases through API

- Developer Distribution Agreement
  - Splunk 8.0 and Python 3 compatibility, Terms of Use

- App Catalog
  - Apps under user management

- Subscription
  - Developer or general user...want to get updates related to new app releases

YOUR APPS (8)

Splunk Add-on for Amazon Web Services	manage
Splunk Add-on for Google Cloud Platform	manage
Splunk Add-on for IBM WebSphere Application S...	manage
Splunk Add-on for Kubernetes	manage
Splunk Add-on for Microsoft Cloud Services	manage
Splunk Add-on for Microsoft Office 365	manage
Splunk Add-on for Microsoft Windows	manage
Splunk Add-on for Unix and Linux	manage

SUBSCRIPTIONS (6)   ‹ 1 2 › Unsubscribe All

- RWI - Executive Dashboard
- Slack Add-on for Splunk
- Slack Audit App for Splunk
- Splunk Add-on for Microsoft Windows
- Splunk App for AWS

DOWNLOADABLE RESTRICTED APPS (0)

You currently do not have any downloadable restricted apps.

API ACCESS

To enable submission of app release updates via API, please agree to the Splunkbase Developer Distribution Agreement including the provisions related to use of the Splunkbase Update API. Click here to agree and enable the update API.

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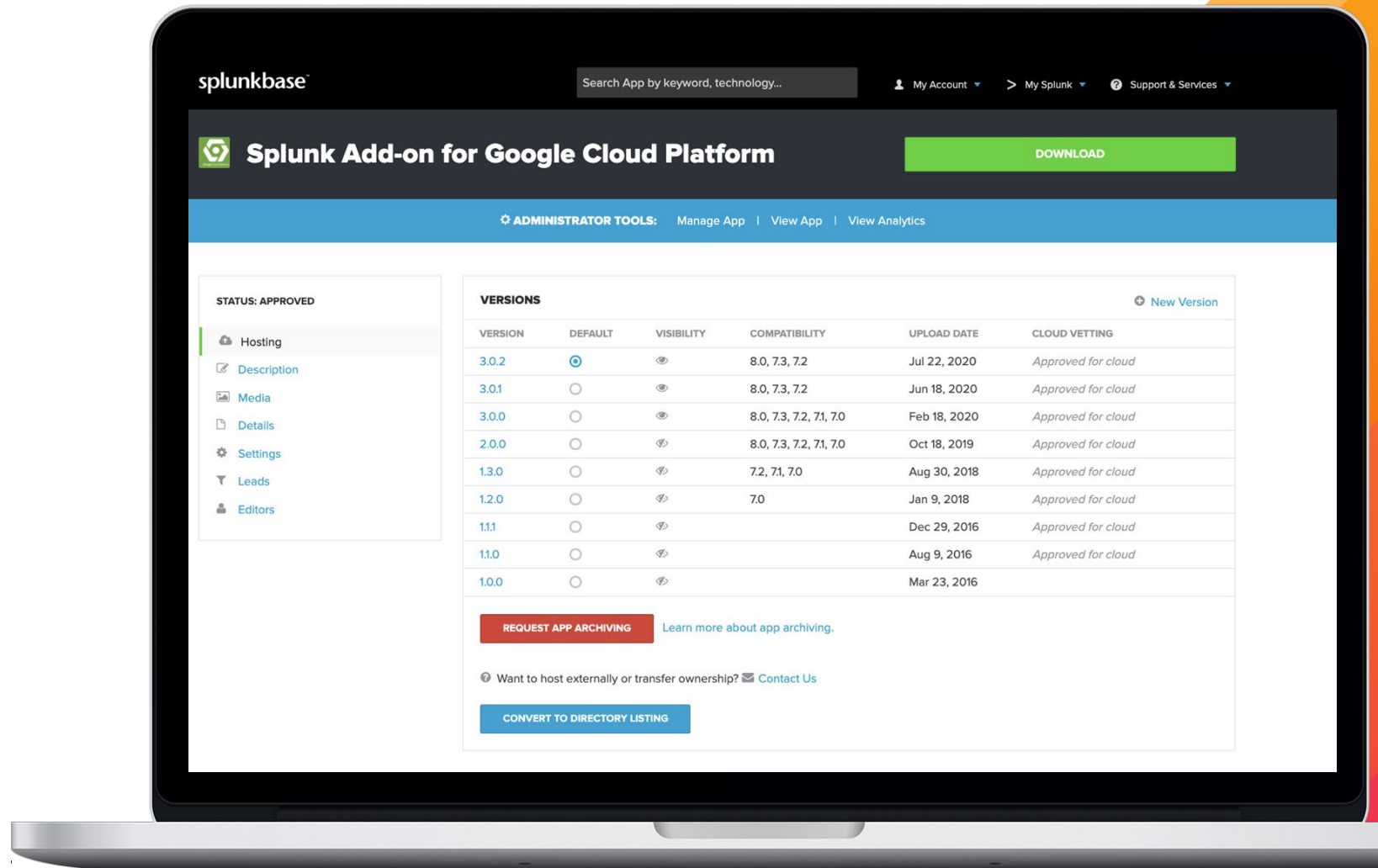
Managing your App

Keeping your app in demand

Managing Apps

Version Maintenance

- Splunk 8.0 ToS
  - Python 3 compliance validation on upload

- Default Version
  - Drive version that customers should adopt
  - Cloud supported versions

- Release Visibility
  - Make visible only those apps under support and compatible with active Splunk releases

Managing Apps

Version Maintenance

- Release Notes
  - Include details on updates release or links to external sources for additional app and release details

- Compatibility
  - Supported Splunk versions and CIM are defined by App Developer
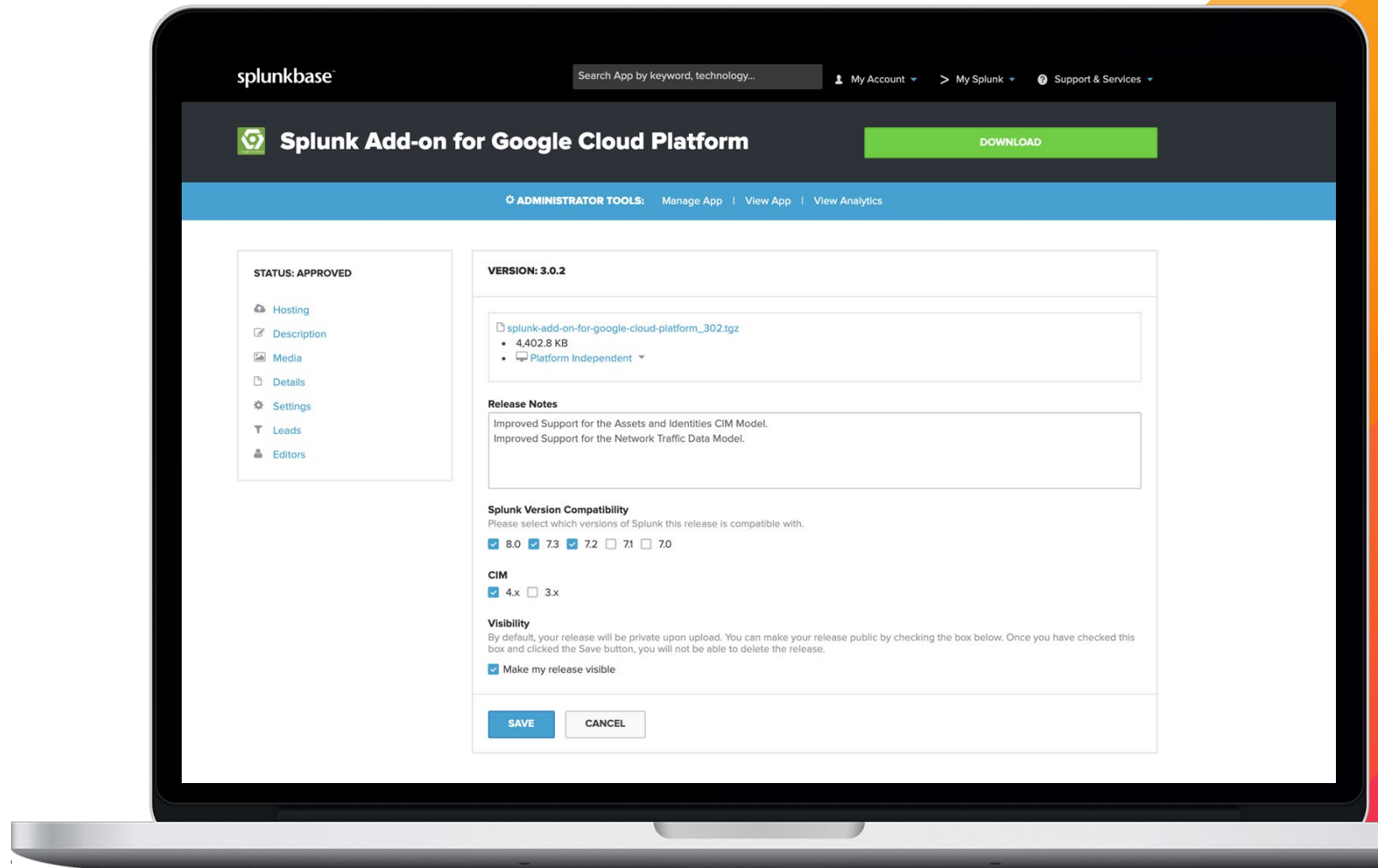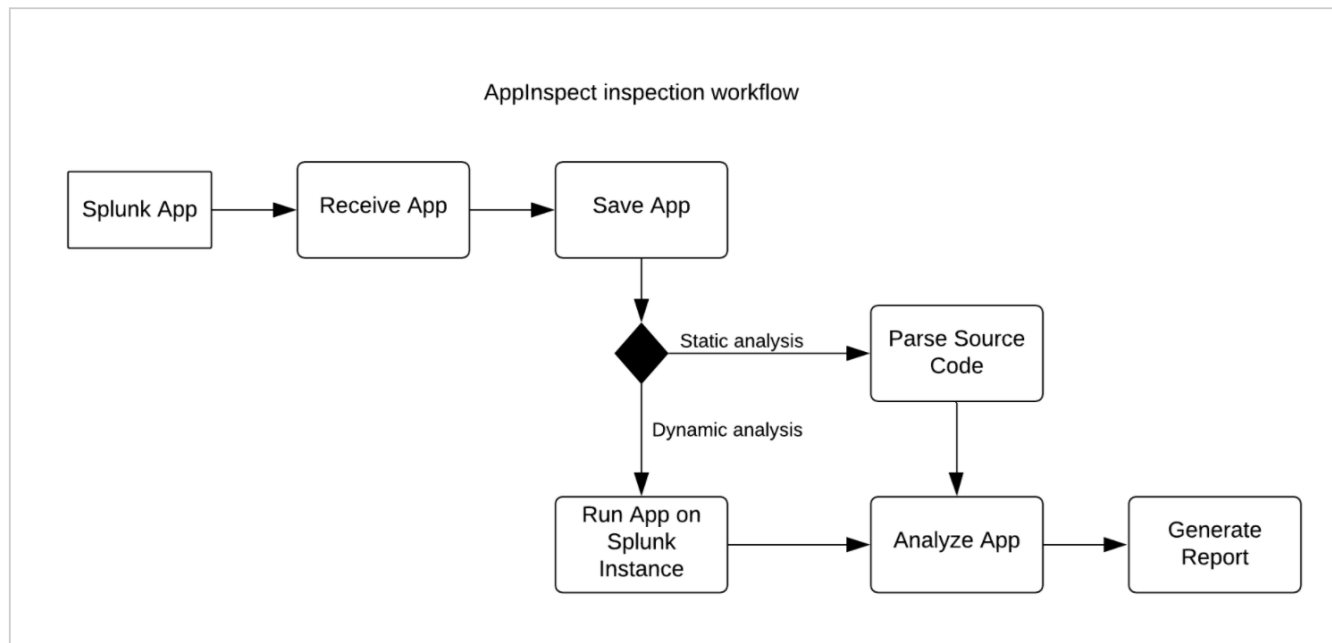
Certifying Your App

AppInspect Fundamentals

AppInspect

Run Splunk defined quality checks

Splunk AppInspect evaluates apps to assure quality and robustness of apps.

AppInspect inspection workflow

```
Splunk App → Receive App → Save App
                               ↓
                          ◆ — Static analysis → Parse Source Code
                          |                            ↓
                    Dynamic analysis                   |
                          ↓                            ↓
                  Run App on Splunk Instance → Analyze App → Generate Report
```

Using AppInspect

Use while developing apps

- AppInspect REST endpoints to run full set of quality checks against apps.

- AppInspect CLI to run a subset of quality checks against apps.

- Cloud Vetting
  - All apps submitted should be vetted for cloud. This will be enforced in the near term.

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Demo

App Publishing Demo
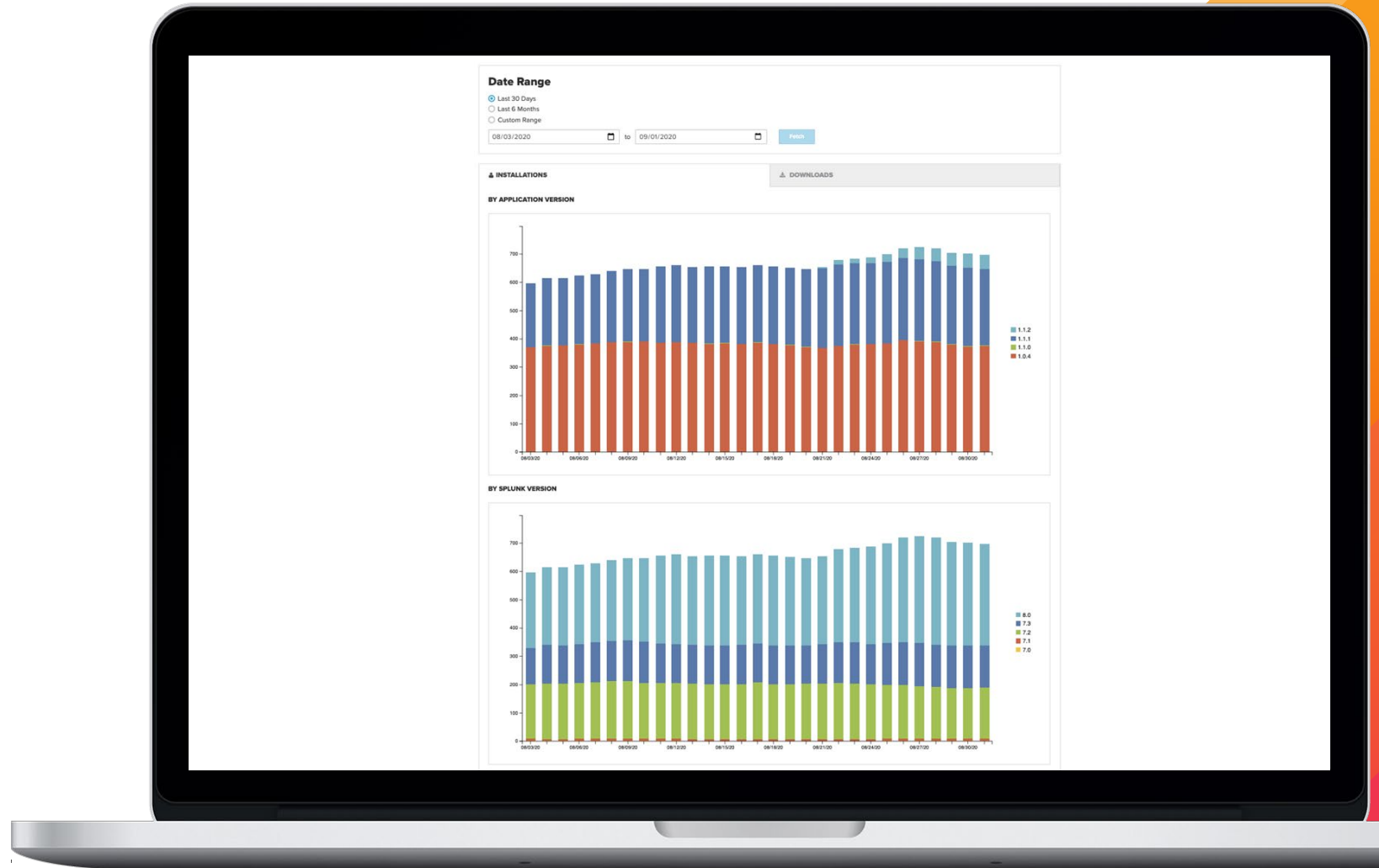
App Analytics

App Usage and Promotion

View Analytics

## Installation Metrics

- Application Version
  - How specific app releases are being adopted
  - Daily downloads per app release
  - New installation vs upgrade

- Splunk Version
  - Splunk specific uptake (including Splunk Cloud adoption)

- Location
  - Country by country adoption

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Manage Leads

Download Leads

- Lead Contact
  - App release, user contact, and date downloaded
  - Opt-in users only*
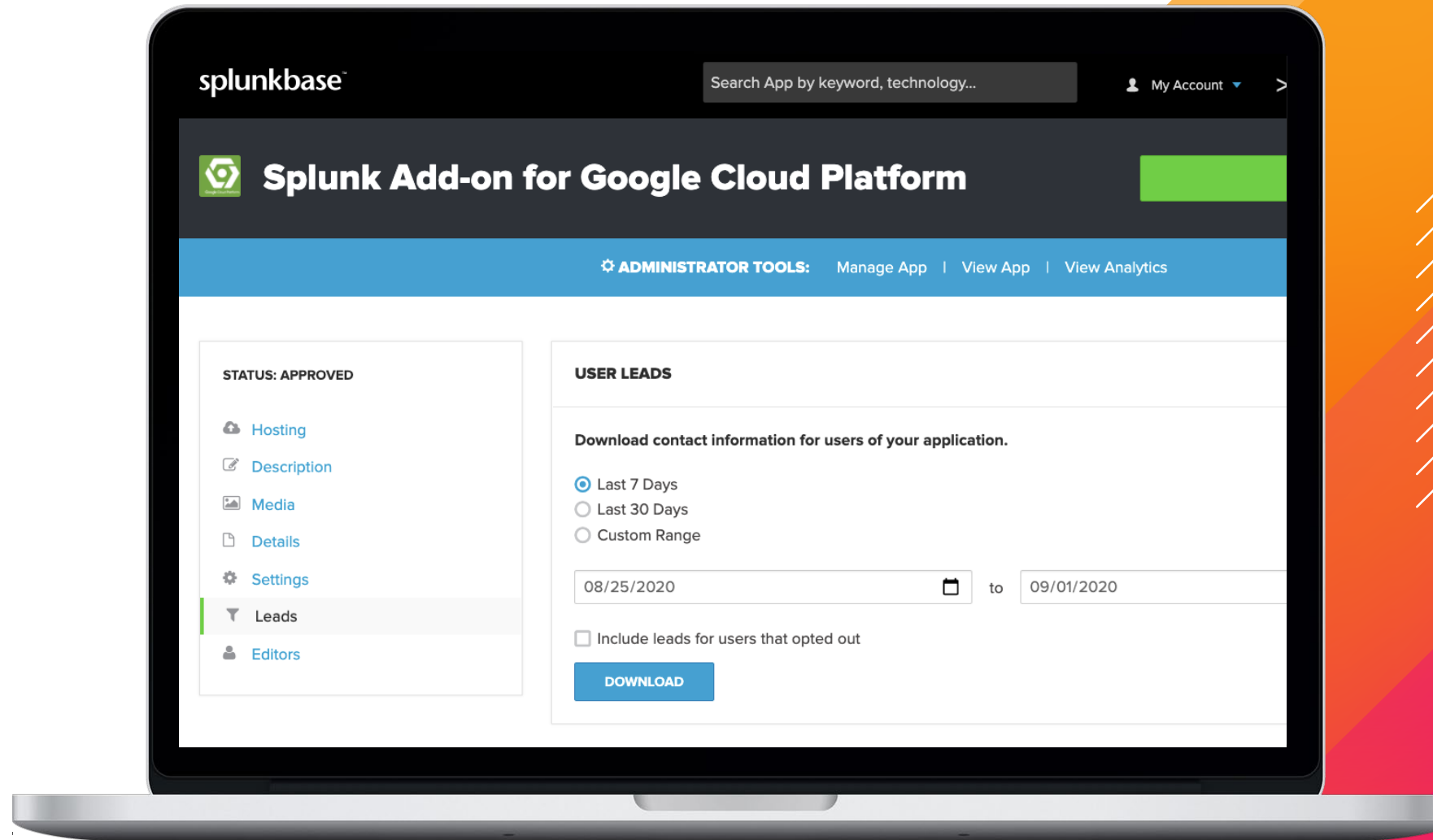
Users who opt-out of providing telemetry are not included in lead generation

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Recap

Summary of all the primary areas related to publishing and maintaining apps on Splunkbase

1) What is Splunkbase?

2) Publishing App
Using UI and API to publish apps

3) Certifying App
Steps required to certify apps for hosting on Splunkbase and use in Splunk Cloud

4) Demo
Demo on how navigate Splunkbase to publish and maintain apps

5) Telemetry
Leveraging app usage data and metrics

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Resources

Resources on publishing apps on Splunkbase

- Splunkbase Docs:
  - https://dev.splunk.com/enterprise/docs/releaseapps/splunkbase/
- AppInspect Docs:
  - https://dev.splunk.com/enterprise/docs/developapps/testvalidate/appinspect
- Slack Usergroups
  - https://splunk-usergroups.slack.com
  - #appdev
- Splunkbase Help
  - splunkbase-admin@splunk.com

Are you a developer?

As a Splunkbase app developer, you will have access to all Splunk development resources and receive a 10GB license to build an app that will help solve use cases for customers all over the world. Splunkbase has 1000+ apps and add-ons from Splunk, our partners and our community. Find an app or add-on for most any data source and user need, or simply create your own with help from our developer portal.

Submit Your App   **Dev Resources**

AppInspect Tooling

Splunk AppInspect evaluates Splunk apps against a set of Splunk-defined criteria to assess the validity and security of an app package and components.

Learn More

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Resources

Additional app developer sessions to follow

DEV1182 - How to build high quality Splunk vetted apps efficiently with automated builds to streamline your deployments

DEV1123 - Continuous Quality - Bringing CI/CD to Splunk App and Add-on Development

DEV1332 - Fast, Off-the-Shelf Testing for Splunk Apps

DEV1383 - Cloud Construction - Best Practices for Building Splunk Apps on Splunk Cloud

DEV1122 - Clear Skys building healthy apps and add-ons for Splunk Enterprise Cloud

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Thank You

Please provide feedback via the

SESSION SURVEY