

The background of the slide features a light green topographic map with white contour lines, primarily visible in the top-left and bottom-right corners.

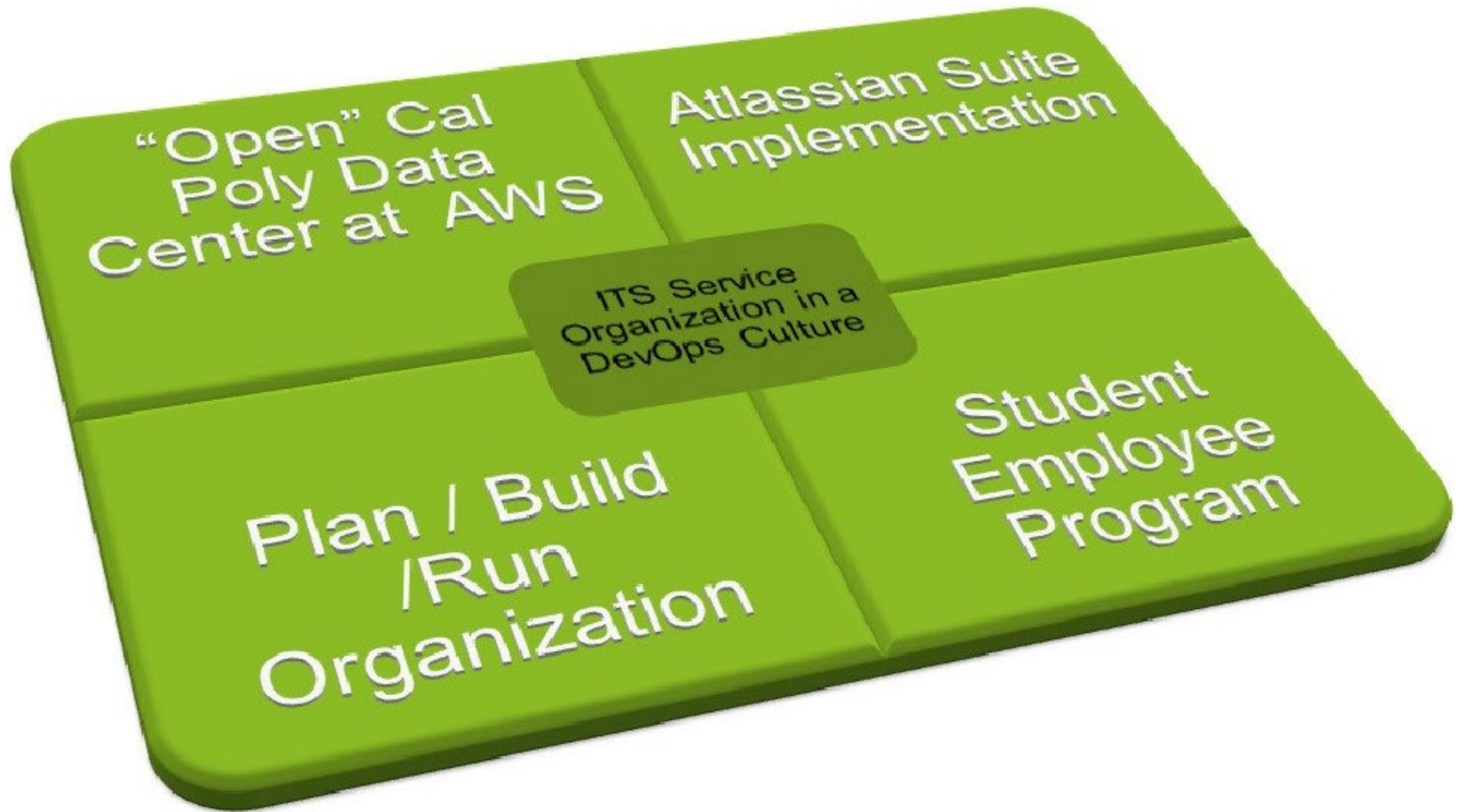
How California Polytechnic State University Centralized IT to Provide a Modern Software Hub for Students

EDUCAUSE Industry & Campus Solutions series



CAL POLY

Modern IT Organization



Current State: Organized by Technical Functions

***Org Dev**

	App Dev & Info Mngmt	Customer & Tech Support	Enterprise App Services	Security	Enterprise Network Services	Enterprise Infrastructure Services
Plan						
Build						
Run						

Engage with IT in many places to:

- 1) Order a service
- 2) Receive help with a service
- 3) Request a new service



Inefficiency

Silos

Delays

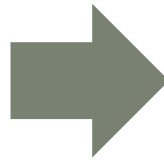
Low Agility

Future State: Cal Poly ITS Framework

Service Strategy (Plan)	Service Design (Build)	Service Operations (Run)
Project Management Services Business & Communications Office IT Governance	Enterprise Engineering Services Academic Technology Services	Operations
		

One “front door” to IT to:

- 1) Order a service
- 2) Receive help with a service
- 3) Request a new service



Streamlined
DevOps Approach
Agility
Cost

WEB & SUPPORT CENTER METRICS

September 2021

ITS Website & Service Catalog

Front door to ITS service and support
tech.calpoly.edu | tech.calpoly.edu/services

50K

Knowledge Base (KB)

How-to and troubleshooting articles
calpoly.atlassian.net

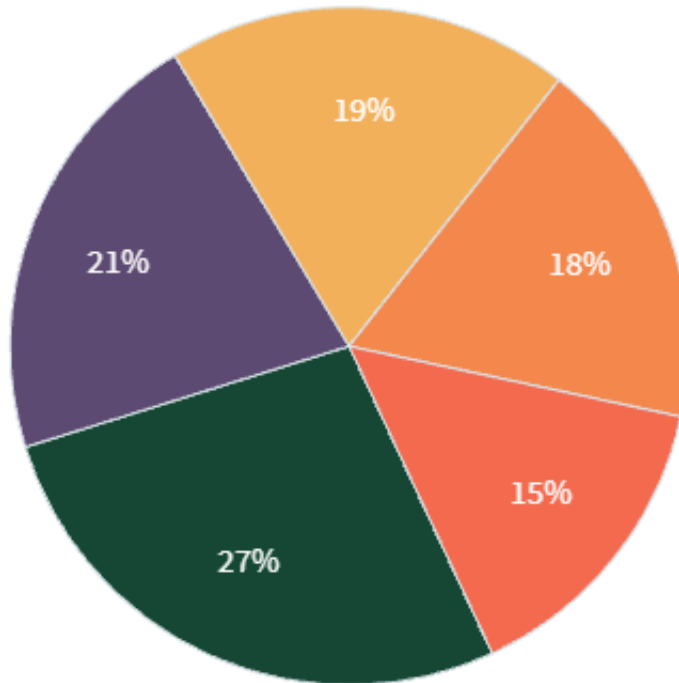
35K

Support Center

Request support or a service
calpoly.atlassian.net/servicedesk

4K

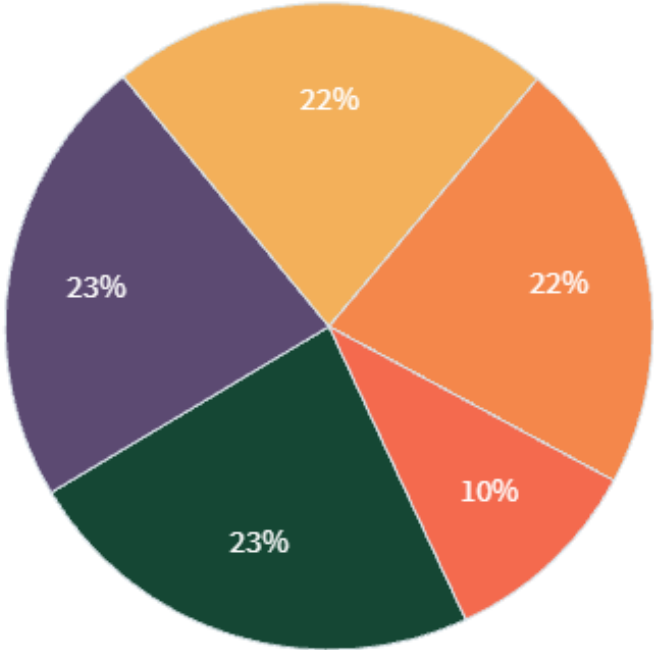
SUPPORT CENTER



REQUESTS

Student Housing	518
Computer Support & Consultation	405
Desk Phone & Voicemail	367
Wired Network & Cabling	338
Wi-Fi	281

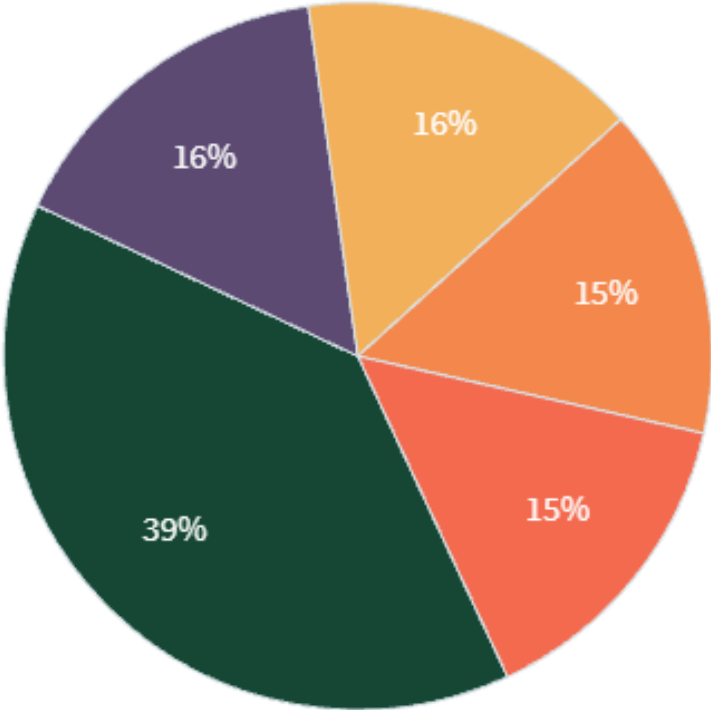
SERVICE CATALOG



PAGEVIEWS

WiFi - Connect to Cal Poly Networks	5,020
Virtual Computer Labs	4,856
PolyCard	4,747
Cal Poly Portal	4,676
eduroam	2,181

KNOWLEDGE BASE



PAGEVIEWS

Connect to CP-IoT-Secure	4,353
Set up VPN	1,762
Install Office (Desktop) from Office 365	1,739
Get a PolyCard	1,697
Connect to eduroam	1,627

UTILIZATION

Customer KB Page Views

88,670

KB Views by Internal
Teams

16,382

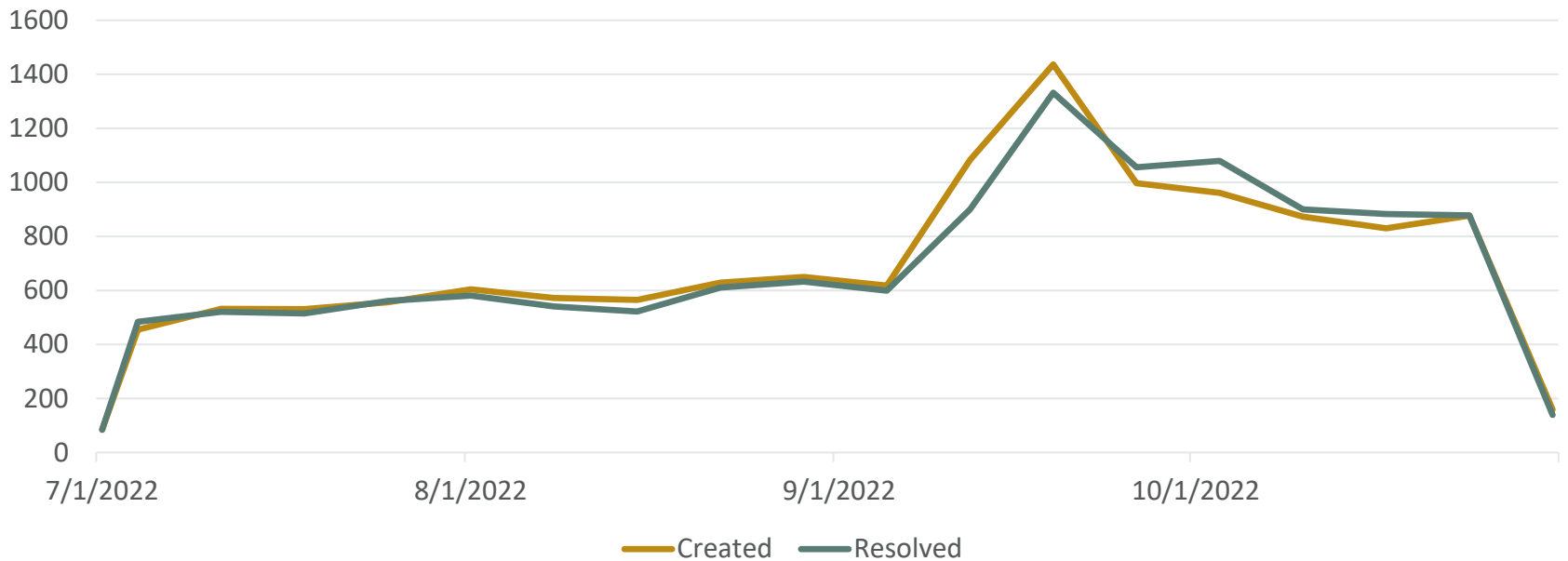
JSM Requests
July - October 2022

13,014

Agent Hours Logged

11,584

requests created vs. resolved



40% increase in request volume from Fall 2021 to Fall 2022

Service tracking

HELP REQUEST
ESCALATIONS

16.4%

TIME TO FIRST
RESPONSE

82%

TIME TO RESOLUTION

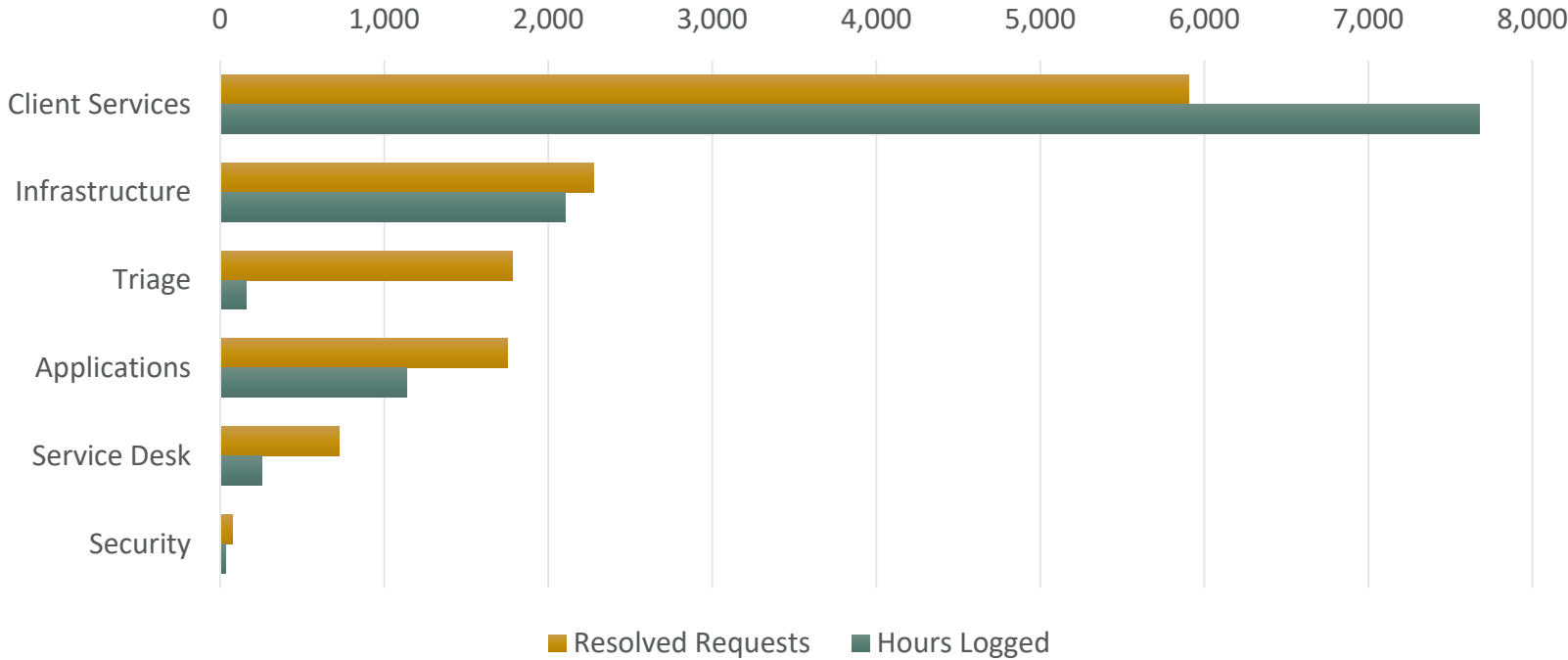
85%

SATISFACTION RATING

4.92

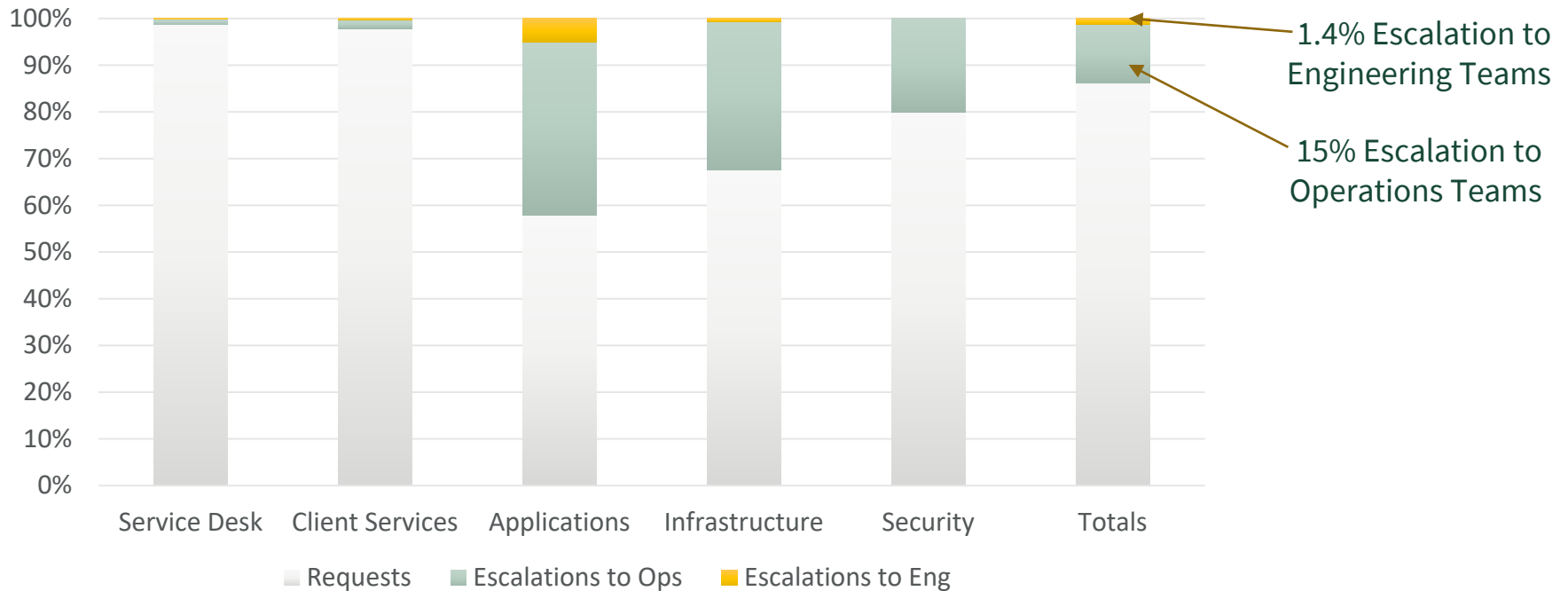


REQUESTS RESOLVED BY TEAM & HOURS LOGGED



Tiered Support Success

ESCALATION OF HELP REQUESTS



Software Services

comprehensive, strategic, modern

1 Consistent Versions & Automation

Updated 131 software packages - creating Apple, Windows, and Virtual lab versions. Full automation can be used to install these packages remotely.

3 Campus Labs Refreshed

All campus computer labs were refreshed using the new version of the software. This has created consistency in labs across campus, making it easier for students to work on a computer wherever the location. Faculty can also dependably know the software version they should use for instruction.

2 Software Hub

A one-stop shop for the software needed to teach, learn and work. The hub provides access to install software on personal computers. The next phase of the project will enable self-installation on work computers.

4 Virtual Labs Rebuilt

The virtual computer labs were rebuilt using the new versions of software. In addition, the environment was upgraded to faster & more graphically oriented specifications to help support intensive apps such as Solidworks, Autocad and ArcGIS Pro.

Software Services

comprehensive, strategic, modern

Outcomes:

- creates equity in access for all students
- simplifies software for everyone
- consistent versions and pervasive access makes it much easier for students to do their work & faculty to teach
- automated, remote installs reduce the overall time it takes to deliver software
- self-service for personal computers (and soon work computers) means that people can access what they need, when needed without needing to ask.



- All Available 68
- Favorites 0
- Unavailable 6

- OS ▾

- CATEGORIES ▲
- Accessibility 1
- Antivirus 1
- CAD 13
- Creative 4
- Development 2
- Education 1
- Engineering 10
- GIS 2
- Productivity 10
- Simulation 12
- Statistical 14
- Technical Support 1
- Utilities 2
- Video 1



Adams

MSC Software

Virtual Computer Labs

Availability: Virtual Computer Labs

Adams is the most widely used multibody dynamics and motion analysis software in the world. Adams helps engineers to study the



Advanced Design System

Keysight Technologies

Virtual Computer Labs

Availability: Virtual Computer Labs

PathWave ADS offers integrated design guidance via templates to help you get started faster. Extensive component libraries make it easy to



Anaconda

Anaconda Inc.

Download via Anaconda.com

Availability: External Website

The world's most popular open-source Python distribution platform. Anaconda offers the easiest way to perform Python/R data science



ArtiosCAD

Esko

Virtual Computer Labs

Availability: Virtual Computer Lab

The world's most popular structural design software for packaging, ArtiosCAD is designed to boost productivity for packaging professionals



Autodesk

Autodesk

Download via Autodesk.com



Adobe Creative Cloud

Adobe, Inc.

Download via Adobe.com

Availability: External Website

Adobe Creative Cloud offers a collection of software used for graphic design, video editing, web development, and photography.



Alteryx Designer

Alteryx Inc.

Virtual Computer Labs

Availability: Virtual Computer Labs

The leading solution for data prep, blending and analytics, with drag-and-drop capabilities that speed up every step of the analytic process.



ArcGIS Pro

Esri

Virtual Computer Labs ▲

Download

Computer Labs

ArcGIS Pro is the latest professional desktop GIS application from Esri. With ArcGIS Pro, you can



AutoCAD

Autodesk Inc.

Virtual Computer Labs ▾

Availability: Download via Autodesk.com, Virtual Computer Labs

AutoCAD is computer-aided design (CAD) software that is used for precise 2D and 3D

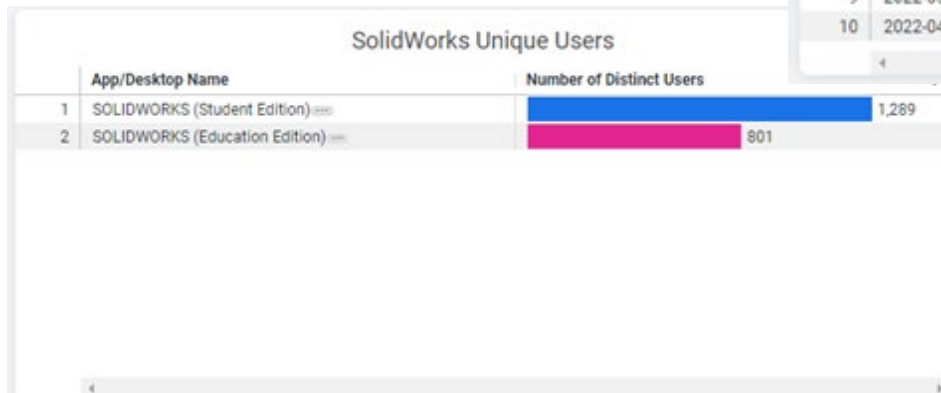
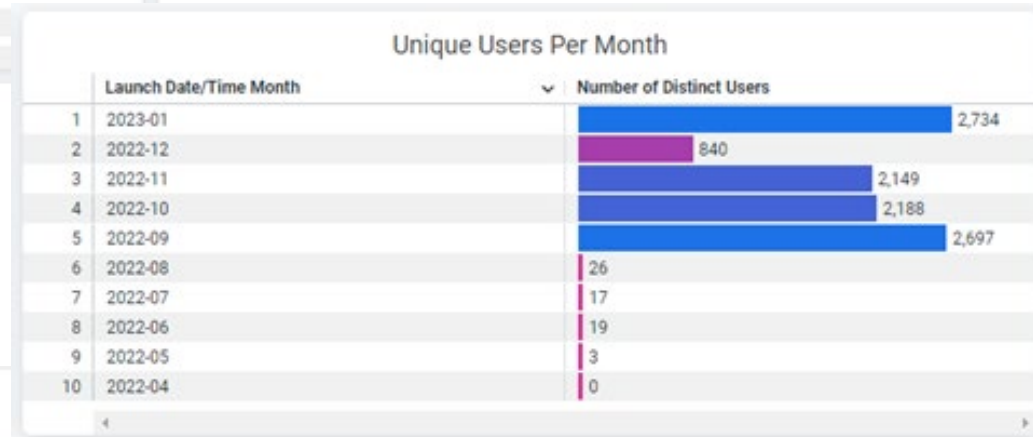
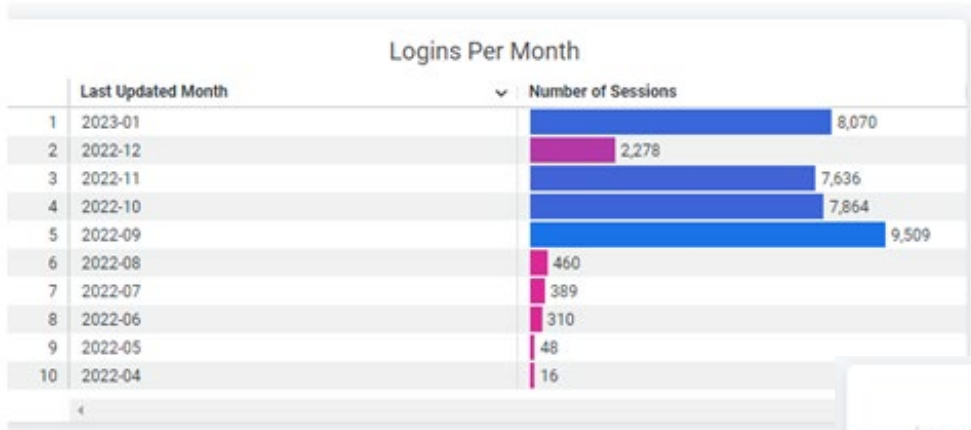


Bluebeam Revu

Bluebeam, Inc.

Virtual Computer Labs

AppsAnywhere Users Dashboard



AppsAnywhere Usage Dashboard

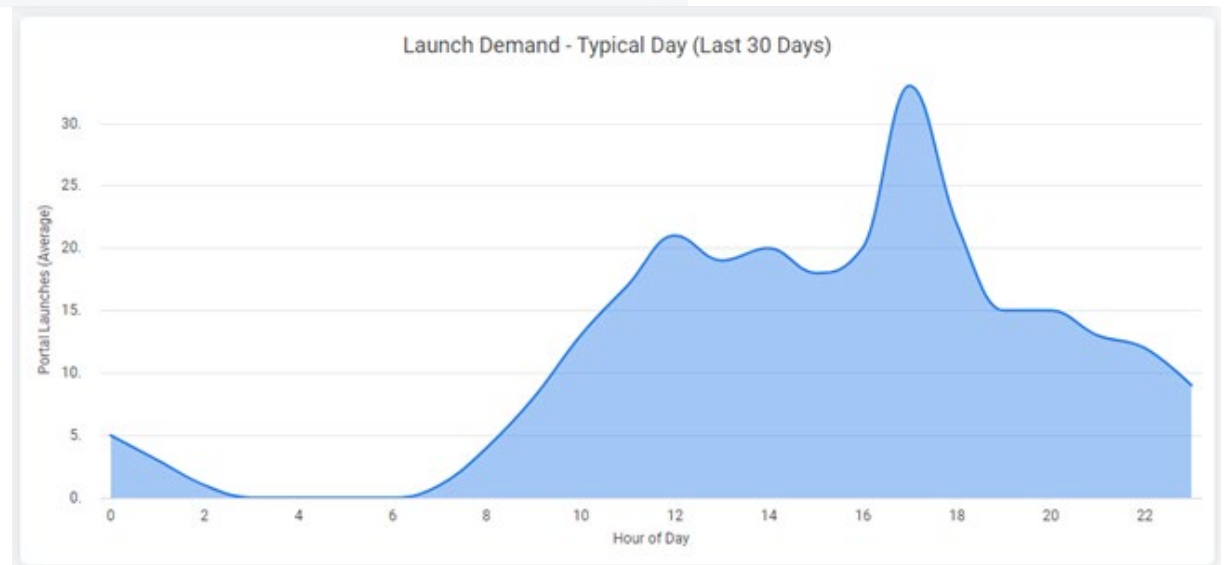
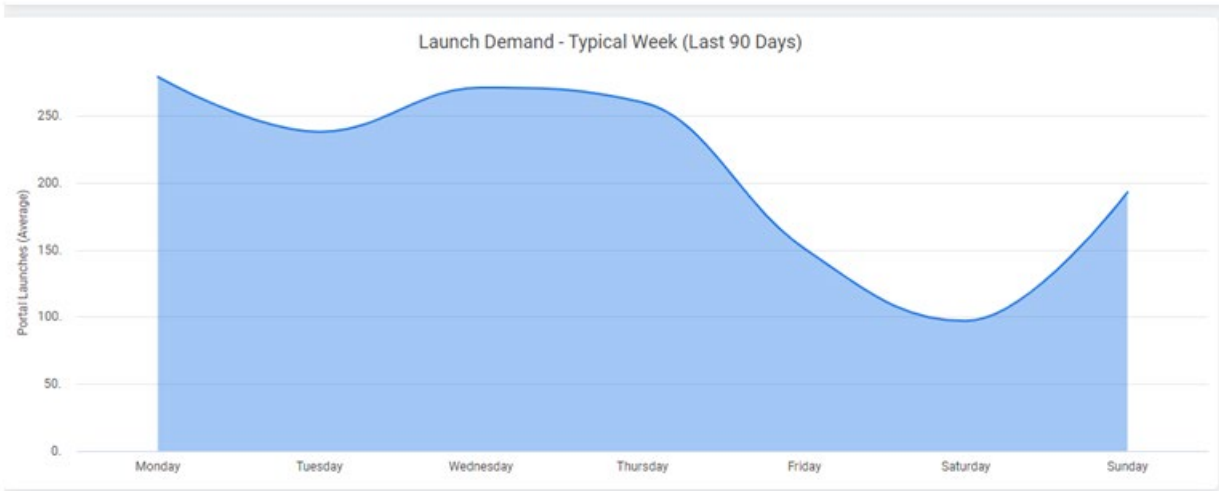
Total App Launches

App/Desktop Name	Delivery Method Descriptor	Number of Launches
1 SOLIDWORKS (Education Edition) ...	https://idp.calpoly.edu/idp/profile/SAML2/...	3,407
2 Minitab ...	https://idp.calpoly.edu/idp/profile/SAML2/...	3,361
3 SOLIDWORKS (Student Edition) ...	https://www.solidworks.com/SEK	3,134
4 JMP Pro ...	https://idp.calpoly.edu/idp/profile/SAML2/...	1,972
5 Microsoft Access ...	https://idp.calpoly.edu/idp/profile/SAML2/...	1,226
6 JMP Pro ...	/var/www/appsanywhere/secure/jmp_pro...	1,213
7 Microsoft Power BI ...	https://idp.calpoly.edu/idp/profile/SAML2/...	1,153
8 Adobe Creative Cloud (Student Edition) ...	https://e5.onthehub.com/WebStore/Offeri...	811
9 Microsoft Excel ...	https://idp.calpoly.edu/idp/profile/SAML2/...	796
10 R Studio ...	https://idp.calpoly.edu/idp/profile/SAML2/...	750
11 JMP Pro ...	/var/www/appsanywhere/secure/jmp_pro...	736

Total App Launches by Operating System

App/Desktop Name	Delivery Method Descriptor	Operating System	Number of Launches
1 SOLIDWORKS (Student Edition) ...	https://www.solidworks.com/SEK	Windows	3,133
2 Minitab ...	https://idp.calpoly.edu/idp/profile/SAML2/...	macOS	2,741
3 SOLIDWORKS (Education Edition) ...	https://idp.calpoly.edu/idp/profile/SAML2/...	macOS	1,737
4 SOLIDWORKS (Education Edition) ...	https://idp.calpoly.edu/idp/profile/SAML2/...	Windows	1,651
5 JMP Pro ...	https://idp.calpoly.edu/idp/profile/SAML2/...	macOS	1,304
6 JMP Pro ...	/var/www/appsanywhere/secure/jmp_pro...	macOS	1,213
7 Microsoft Access ...	https://idp.calpoly.edu/idp/profile/SAML2/...	macOS	1,142
8 Microsoft Power BI ...	https://idp.calpoly.edu/idp/profile/SAML2/...	macOS	1,069
9 JMP Pro ...	/var/www/appsanywhere/secure/jmp_pro...	Windows	734
10 MATLAB ...	/var/www/appsanywhere/secure/matlab/...	Windows	699
11 MATLAB ...	/var/www/appsanywhere/secure/matlab/...	Windows	699

AppsAnywhere Utilization Dashboard



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EDUCAUSE Industry & Campus Solutions series



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