

How to make your AppsAnywhere portal available off-campus



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Software2

Planning

1. Review app licenses and apply restrictions
2. Contact Software2 Support for advice
3. Make the required infrastructure changes

<https://bit.ly/3dOK7Yy>

Google Earth
Google
Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain and 3D buildings.

NVivo
QSR International
An all-purpose qualitative data analysis system.

Audacity
Audacity
A free, open source, cross-platform audio software for multi-track recording and editing.

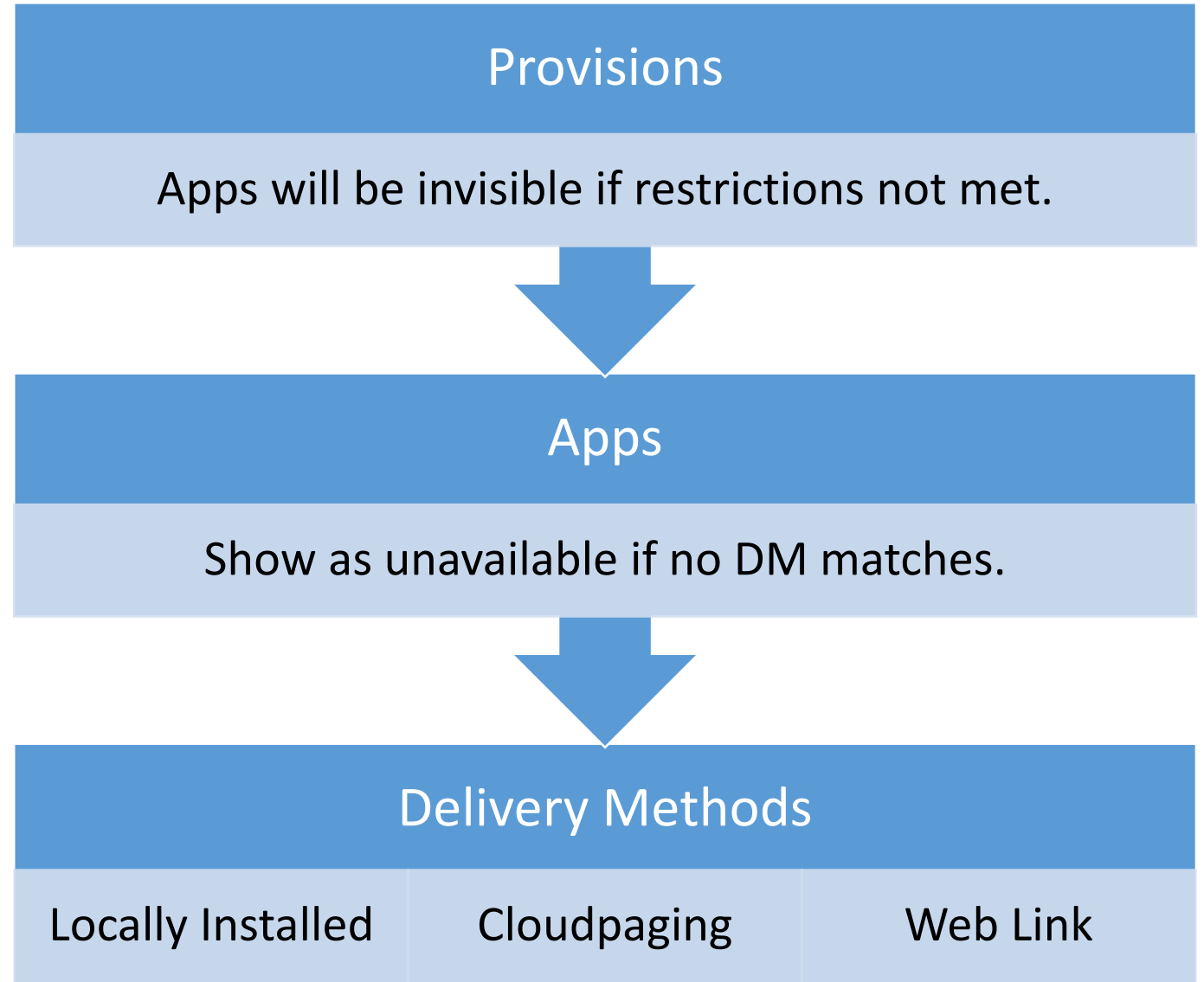
VLC
VideoLAN
A free and open source cross-platform multimedia player and framework that plays most multimedia files.

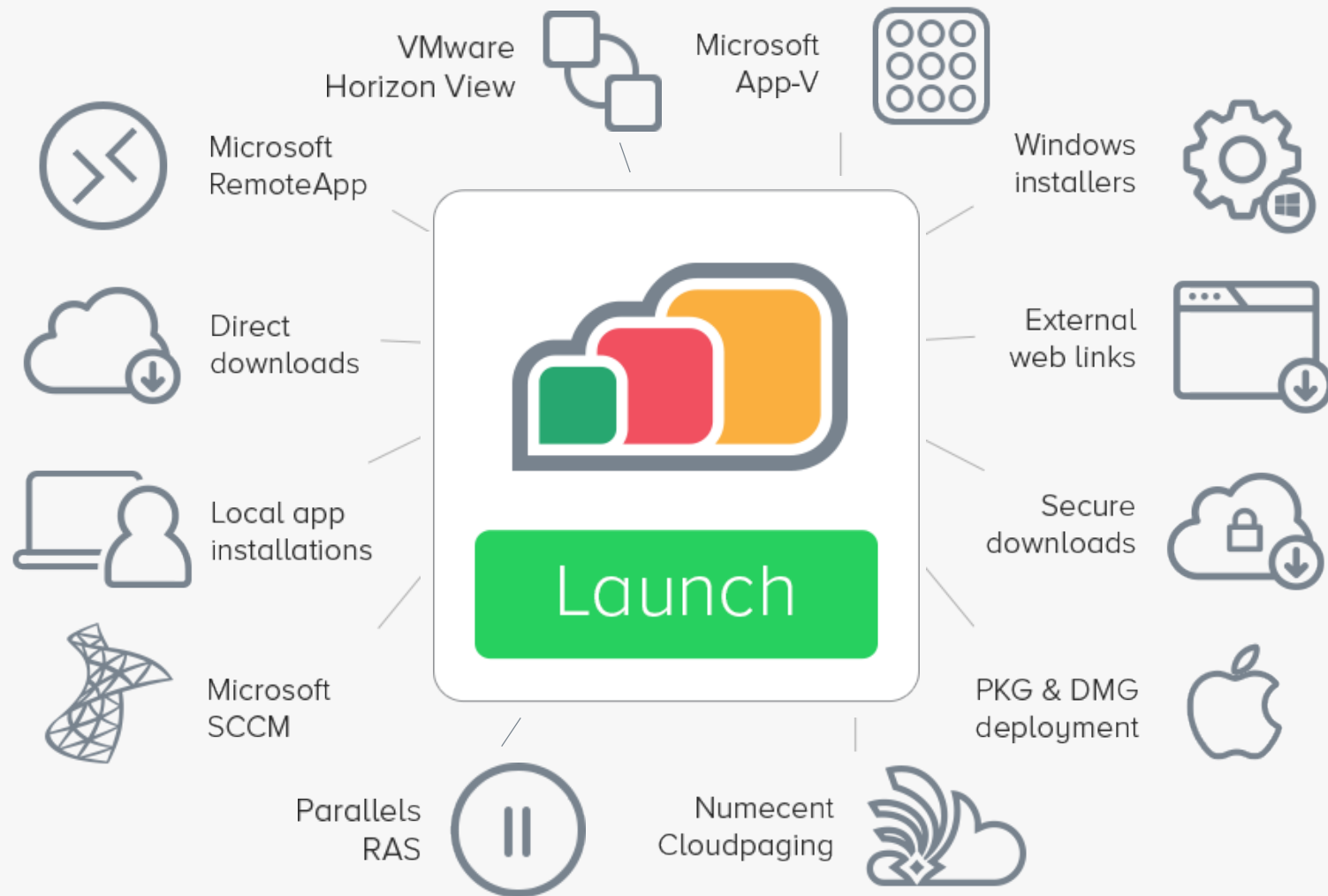
Part 1 – Configuring Apps

App Restrictions

1. **Device Ownership** – checks a registry key
2. **On-Domain** – corresponds to the LDAP connection
3. **On-Site** – matches the Local IP ranges in Admin

Provisions vs Delivery Methods





1 launch button. Multiple delivery methods. Any app.

The image shows a screenshot of the AppsAnywhere portal interface. At the top, the 'AppsAnywhere' logo is visible. Below it, there are navigation tabs for 'All Available', 'My Favourites', 'Unavailable', and 'Categories'. The main content area features a card for the 'Google Earth' application. The card includes a circular icon with a globe, the text 'Google Earth Tools', and a description: 'Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain and 3D buildings.' There are also some navigation icons at the bottom of the card. The background of the slide is a solid blue color.

Provisions

One possible approach to off-site:

- **On-Site Only** (Hide from off-site users)
- **Off-site Apps** (Apps permitted off-site)
- **Note:** moving apps between provisions will require existing Cloudpaging users to revisit the AppsAnywhere Portal.

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Provisions

A better approach:

- **Universal** (Visible to everyone)
- **Staff Only** (Hide from students)


High-level provisions containing all of your apps, with the restrictions applied to delivery methods.

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Delivery Methods


1. Create a list of apps that are restricted to On-site, or to your Device Ownership.
2. Update the Delivery Methods for those apps to secure them.

Tip: Use our pre-prepared SQL query to export a list of apps and Cloudpaging delivery methods.



Microsoft SQL Query

```
SELECT [title]           AS 'Application',
       [vendor]          AS 'Vendor',
       CASE s2hubapplication_delivery_method.type
         WHEN 's2appj_cloudpaging' THEN 'Cloudpaging'
       END              AS 'Type',
       [priority]        AS 'Priority',
       [display_name]    AS 'DM Display Name',
       [launch_button_text] AS 'Launch Button Text',
       CASE [state]
         WHEN '10' THEN 'Active'
         WHEN '30' THEN 'Suspended'
       END              AS 'Status',
       CASE s2hubapplication_delivery_method.byod
         WHEN '10' THEN 'All'
         WHEN '20' THEN 'Organization Owned'
         WHEN '30' THEN 'User Owned'
       END              AS 'Device Ownership',
       CASE s2hubapplication_delivery_method.on_domain
         WHEN '10' THEN 'Enforce'
         WHEN '20' THEN 'Do Not Enforce'
       END              AS 'On Domain',
       CASE s2hubapplication_delivery_method.on_site
         WHEN '10' THEN 'Enforce'
         WHEN '20' THEN 'Do Not Enforce'
       END              AS 'On Site'
FROM   s2hubapplication_application
LEFT JOIN s2hubapplication_delivery_method
         ON s2hubapplication_application.id =
            s2hubapplication_delivery_method.application_id
```



Microsoft SQL Query



With great power comes great
responsibility!

Query Results

100 %

Results Messages

	Application	Vendor	Type	Priority	DM Display Name	Launch Button Text	Status	Device Ownership	On Domain	On Site
1	7-Zip	7-zip.org	Cloudpaging	1	Global CP 7-Zip	English	Active	All	Do Not Enforce	Do Not Enforce
2	Acrobat Reader DC	Adobe Inc	Cloudpaging	2	Online for non-laptops	English	Active	All	Do Not Enforce	Do Not Enforce
3	Acrobat Reader DC	Adobe Inc	Cloudpaging	1	Offline 7-days for laptops	NULL	Active	All	Do Not Enforce	Do Not Enforce
4	Audacity	Audacity.org	Cloudpaging	1	NULL	English	Active	All	Do Not Enforce	Do Not Enforce
5	Audacity	Audacity.org	Cloudpaging	2	NULL	German	Active	All	Do Not Enforce	Do Not Enforce
6	BEAST		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
7	Blender		Cloudpaging	2	NULL	German	Active	All	Do Not Enforce	Do Not Enforce
8	Blender		Cloudpaging	1	NULL	English	Active	All	Do Not Enforce	Do Not Enforce
9	BlueJ		Cloudpaging	1	NULL	German	Active	All	Do Not Enforce	Do Not Enforce
10	BlueJ		Cloudpaging	2	NULL	English	Active	All	Do Not Enforce	Do Not Enforce
11	CMAP Tools		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
12	ColorVeil		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
13	CutePDF Writer		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
14	Cygwin		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
15	Eclipse		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
16	Evernote		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
17	ExifTool		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
18	FigTree		Cloudpaging	1	NULL	NULL	Active	All	Do Not Enforce	Do Not Enforce
19	FileZilla		Cloudpaging	1	NULL	English	Active	All	Do Not Enforce	Do Not Enforce
20	FileZilla		Cloudpaging	2	NULL	German	Active	All	Do Not Enforce	Do Not Enforce
21	Firefox		Cloudpaging	1	NULL	English	Active	All	Do Not Enforce	Do Not Enforce
22	Firefox		Cloudpaging	2	NULL	German	Active	All	Do Not Enforce	Do Not Enforce
23	FreeMind		Cloudpaging	1	NULL	English	Active	All	Do Not Enforce	Do Not Enforce
24	FreeMind		Cloudpaging	2	NULL	German	Active	All	Do Not Enforce	Do Not Enforce

Query executed successfully.

Part 1 Summary

1. Generate your list of apps, and confirm any license restrictions.
2. Update the Delivery Methods to restrict any on-site only apps.
3. Add additional DMs to sign-post alternatives



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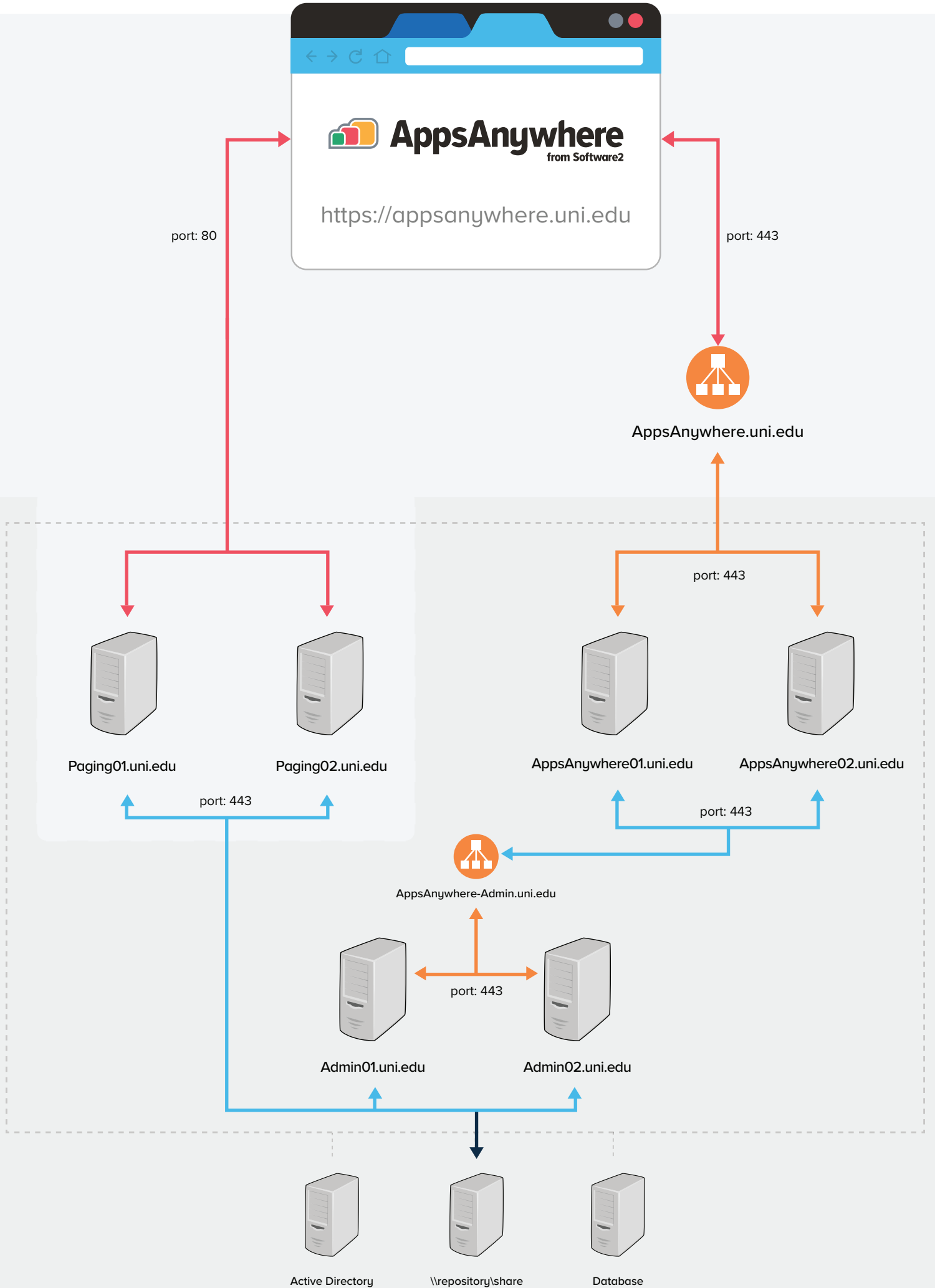
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Part 2 - Infrastructure

External Requirements

1. **AppsAnywhere Portal**
Load Balancer / Port 443
2. **Certificates** need to be
from a Trusted Root CA
3. **Paging Servers** – need a
public IP and split DNS



The image shows a blue background with the AppsAnywhere logo at the top left. Below the logo, there is a screenshot of the AppsAnywhere interface, which includes a navigation bar with 'At Available', 'My Favourites', 'Unavailable', and 'Categories'. The main content area features a 'Google Earth' app card with a description: 'Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain, and 3D buildings.' The text 'AppsAnywhere Servers' is overlaid in large white font on the left side of the image.

AppsAnywhere Servers

Load Balancer

- Configure to forward external connections on port 443
- Tell Software2 Support in advance if your AppsAnywhere URL will change.

Certificates

- Apply on your load balancer.
- Need to be from a Trusted Root Certificate Authority.

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Paging Servers

Externally available on port 80

- Paging data is already encrypted
- No load balancer is needed
- Load balance automatically

DNS resolution

- Must resolve internally as well as externally

The image shows a blue-tinted screenshot of the AppsAnywhere mobile application. At the top, the 'AppsAnywhere' logo is visible. Below it, there are navigation tabs: 'All Available', 'My Favourites', 'Unavailable', and 'Categories'. The main content area displays a card for the 'Google Earth' app. The card features the Google Earth logo, the app name, and a brief description: 'Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain and 3D buildings.' There are also some navigation icons at the bottom of the card. Overlaid on the bottom left of the screenshot is the text 'Paging Servers' in a large, white, sans-serif font.

Paging Servers

Service Continuity

1. Move a subset of your Paging servers first!
2. Tell Software2 Support in advance so we can provide a new license.
3. Apply new Cloudpaging license and move remaining servers.

Part 2

Summary

1. Update your load balancer and certificates.
2. Contact Software2 support to update your Cloudpaging license.
3. Switch your Paging servers to be externally accessible.

Grid of application cards including Google Earth, NVivo, Audacity, and VLC.

Improving the student experience

The image shows a blue-tinted screenshot of the AppsAnywhere web interface. At the top, the 'AppsAnywhere' logo is visible. Below it, there are navigation tabs for 'All Available', 'My Favourites', 'Unavailable', and 'Categories'. The main content area features a large card for the 'Google Earth' application. The card includes the Google Earth logo, the application name, and a brief description: 'Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain and 3D buildings.' There are also navigation icons at the bottom of the card.

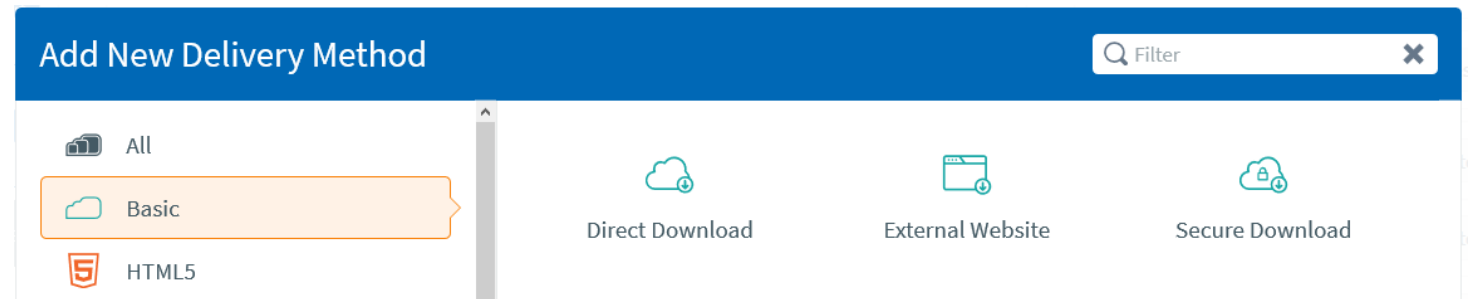
Adding Offline Cloudpaging

- **Online Only** is best for labs / desktops
 - Apps are cached after first use
 - Pre-caching can be used to speed up
- **Offline access** for laptop users
 - Set a reasonable offline duration
 - Even if the app only works online

Tip: It's easy to configure this by adding a new Delivery Method with the same settings but higher priority.

Providing Options

What if the app is not available for off-site use?



- Provide a link to the vendor website
 - Or a trial download option

Apps with license servers

- Provide a VPN, or link to existing VDI / RDS
 - Software2 can provide Parallels RAS

Software2 Student Video

Publicity



<https://bit.ly/3dLFpKT>

Further help...

Related Article

<https://bit.ly/3dOK7Yy>

Contact Support

support@software2.com

Talk to your Software2 account manager