How to make your AppsAnywhere portal available off-campus

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COO
Software2
Planning

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

Part 1 – Configuring Apps
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

Provisions

Apps will be invisible if restrictions not met.

Apps

Show as unavailable if no DM matches.

Delivery Methods

Locally Installed  Cloudpaging  Web Link
1 launch button. Multiple delivery methods. Any app.
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.
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.
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.
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 'EM 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_bycd
    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!
<table>
<thead>
<tr>
<th>Application</th>
<th>Vendor</th>
<th>Type</th>
<th>Priority</th>
<th>DM Display Name</th>
<th>Launch Button Text</th>
<th>Status</th>
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</table>

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
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
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.
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
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.
Improving the student experience
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
Publicity

Software2 Student Video

Further help...

Related Article

Contact Support
support@software2.com

Talk to your Software2 account manager