

Microsoft RDS, current state and future vision

"The Freek & Benny show"

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TeamRGE
Remoting Graphics Experts

◀ **REX** Analytics



AGENDA

Remote End User Experience benchmarking

Project Honolulu

Remote Desktop modern infrastructure

HTML5



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REX BENCHMARKING

Build

Measure

Analyze

REX Load Sequences

- Scripted user interaction
- Primary user sessions
- Personas (noisy neighbors)

REX Tracker

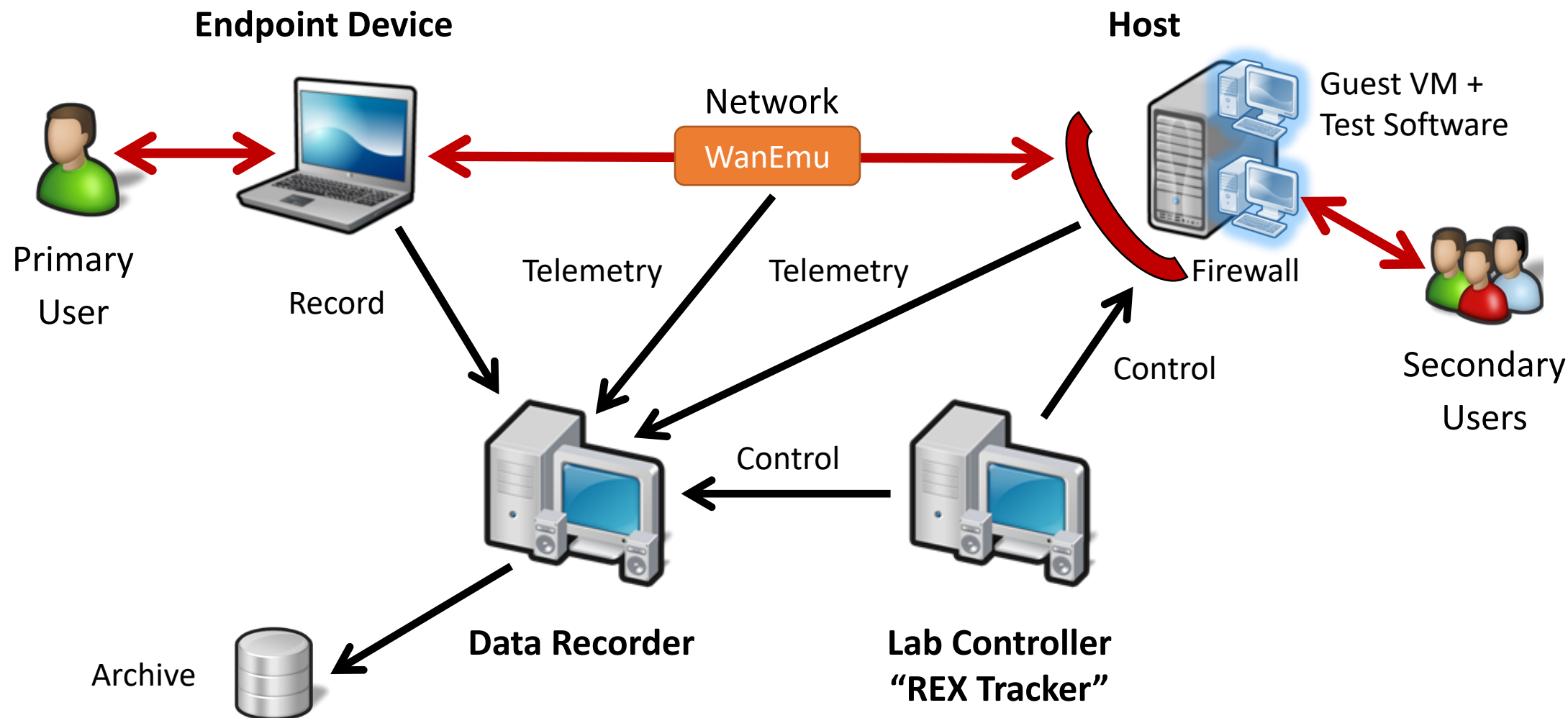
- Trigger/sync test runs
- Record screen videos
- Collect telemetry data

REX Analyzer

- Visualize/animate test results
- 4-up video player (side-by-side)
- Compare load sequences
- Analyze user experience

 **REX**Analytics

REX ANALYTICS



REX ANALYZER

Deploy on-premises, in the cloud, or a hybrid of the two. Deploy your business applications, use any of your data and productivity apps like Office, or work with heavy-duty engineering or graphics apps.

ACCESS FROM ANYWHERE

End users can connect to internal resources securely from outside the firewall through RDmi Gateway.

SECURE AUTHENTICATION

Leverage the power of Azure Active Directory with Secure Authentication to ensure security protection of your business.

SECURE ENVIRONMENT

New architecture uses reverse roles from the Remote App and Desktop Hosts environment, increasing the isolation and security of the workspace environment.

CONNECT FROM ANY DEVICE

Access corporate resources from any device, including laptop, tablet, or smartphone, through RDmi Gateway.



RDmi
WEB ACCESS



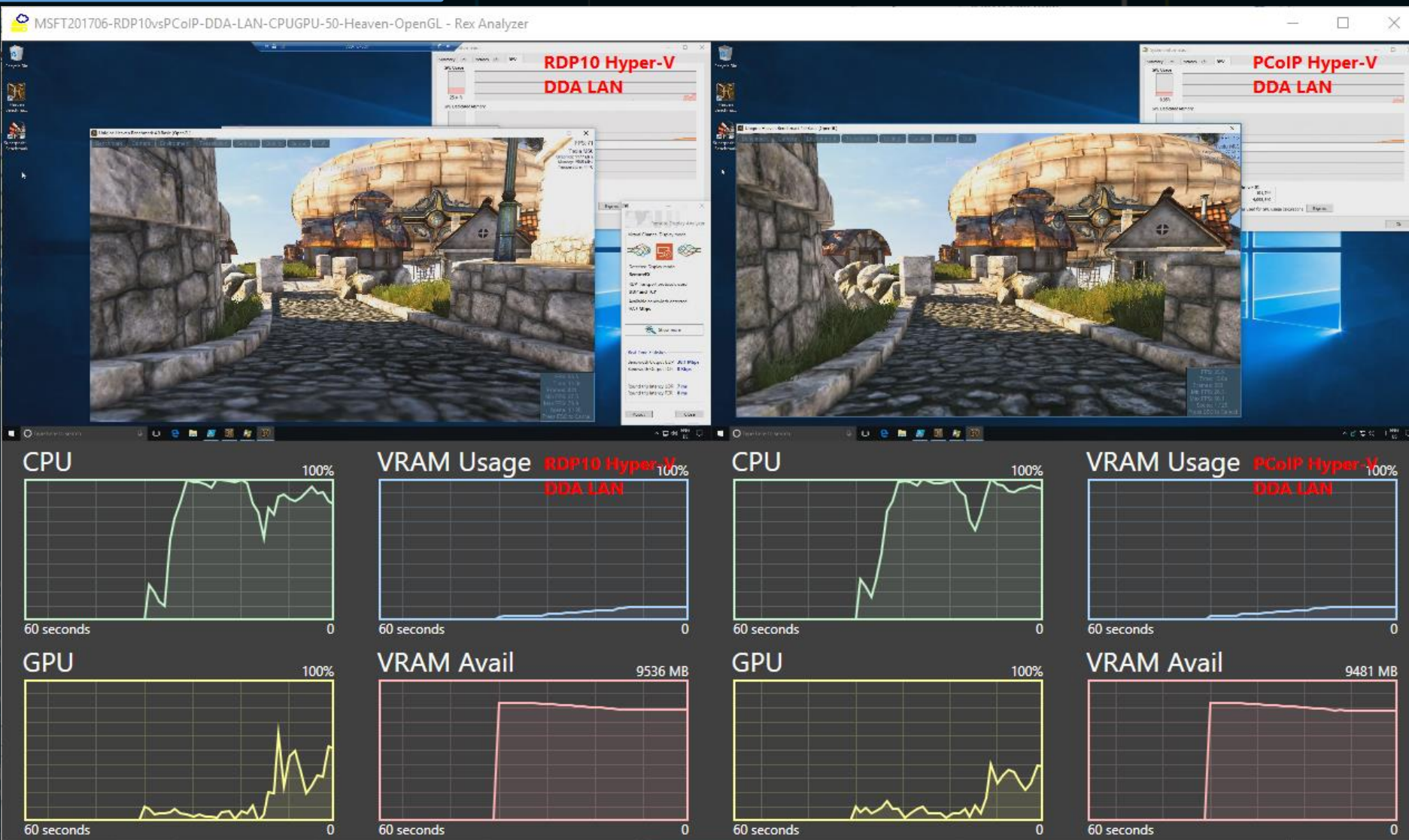
RDmi
GATEWAY



AZURE
ACTIVE
DIRECTORY



Use the RDmi Powershell cmdlets to delegate administrative capabilities and manage deployments with tens of thousands of concurrent users.



SCALE: BIGGER, BETTER, FASTER

With visibility into the deployment, you can control scale with more precision. Easily add or remove Remote App and Desktop Host servers based on scale needs.

Remote Desktop deployments that are built on Azure can make use of Azure services, like Azure SQL, to scale automatically on demand.

AUTOMATION: SCRIPT FOR SUCCESS

Maintaining a running, highly scaled application involves repeating operations on a regular basis. Use RDmi Powershell cmdlets and WMI provider to develop scripts that can be run on multiple deployments when needed. Run Best Practice Automation (BPA) rules for Remote Desktop Services on your deployments to tune your deployments.

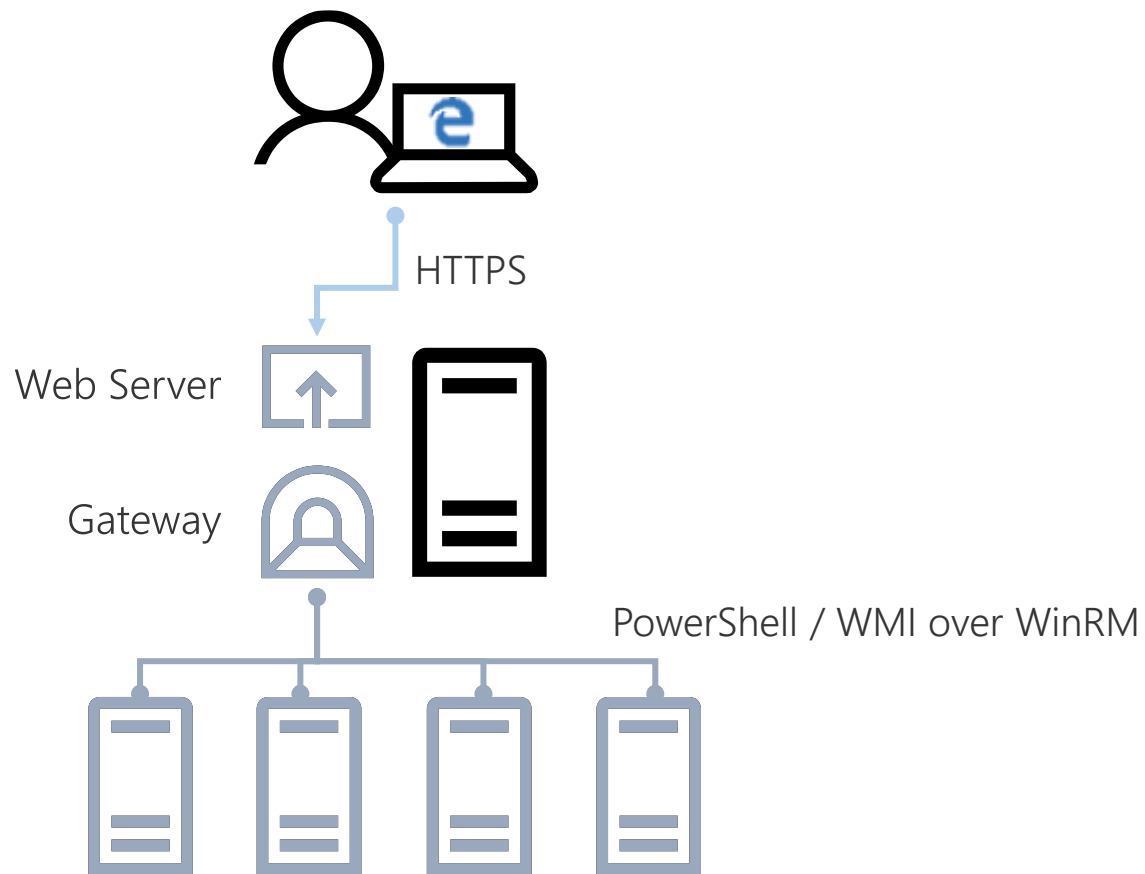
LOAD TESTING: AVOID SURPRISES

Load test the deployment with both stress tests and simulation of real-life usage. Vary the load size to avoid surprises! Ensure that responsiveness meets user requirements, and that the entire system is resilient. Create load tests with simulation tools, like LoginVSI, that check your deployment's ability to meet the users' needs.

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PROJECT HONOLULU



REST API EXAMPLE

Microsoft | RD Modern Infrastructure | All Deployments > Contoso RDS > RdsPTTenant1 > ContosoHP1

Ignite Demo | ignitedemo@PeopleTechCSP.onmicro...

RDS Deployments

Click on arrow(>) icon to Expand/Collapse menus.

- ▼ All Deployments
 - ▼ Contoso RDS
 - Infrastructure
 - ▼ RdsPTTenant1
 - () ContosoHP1
 - () ContosoHP2
 - > RdsCNTenant

Host pool "ContosoHP1"

General | Hosts | App groups

+ New app group | Edit app group | Delete app group

App group name	Type	Apps	Active users	Users
Desktop Application Group	1	2	3	1
<input checked="" type="checkbox"/> Contoso Remote App Group	0	2	3	1

"Desktop Application Group" details

Settings | Apps | Users

+ Add apps from Image | + Add apps from path | Configure App | Delete Apps

Name	Path	Show in web feed	Require command line
<input type="checkbox"/> Excel	%SYSTEMDRIVE%\Program Files\Microsoft Office 15\root\office15\excel.exe	On	Off
<input type="checkbox"/> OneNote	%SYSTEMDRIVE%\Program Files\Microsoft Office 15\root\office15\onenote.exe	On	Off

RDmi AND HTML5

- MORE SECURE,
- MORE CLOUD READY
- ALL CLIENTS

RD SESSION HOSTS & WIN10

RD CLIENTS

HTML5



SECURE AUTHENTICATION

Leverage the power of Azure Active Directory with Secure Authentication to enforce high security protection of your business resources.

SECURE ENVIRONMENT

New architecture uses reverse connect functionality from the Remote App and Desktop Hosts to the infrastructure roles. This eliminates the need for opening any inbound IP ports to the Remote App and Desktop Hosts environment, increasing the isolation and security of the virtual workspace environment.

CONNECT FROM ANY

Access corporate resources from any Windows, Apple, or Android computer, tablet, or phone. Enable users to use any available desktops and applications through RD Web Feed.

RD POWERSHELL

RD INFRASTRUCTURE



AZURE AD



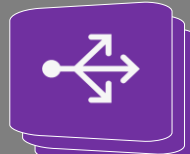
RD WEB



RD GATEWAY



RD DIAGNOSTICS



RD BROKER



AZURE SQL DATABASE

RD REST API

FIREWALL

FIREWALL

FIREWALL



AZURE AD



DESKTOPS



APPS



AZURE AD
DOMAIN SERVICES



UPD
AZURE FILES



AZURE AD



DESKTOPS



APPS

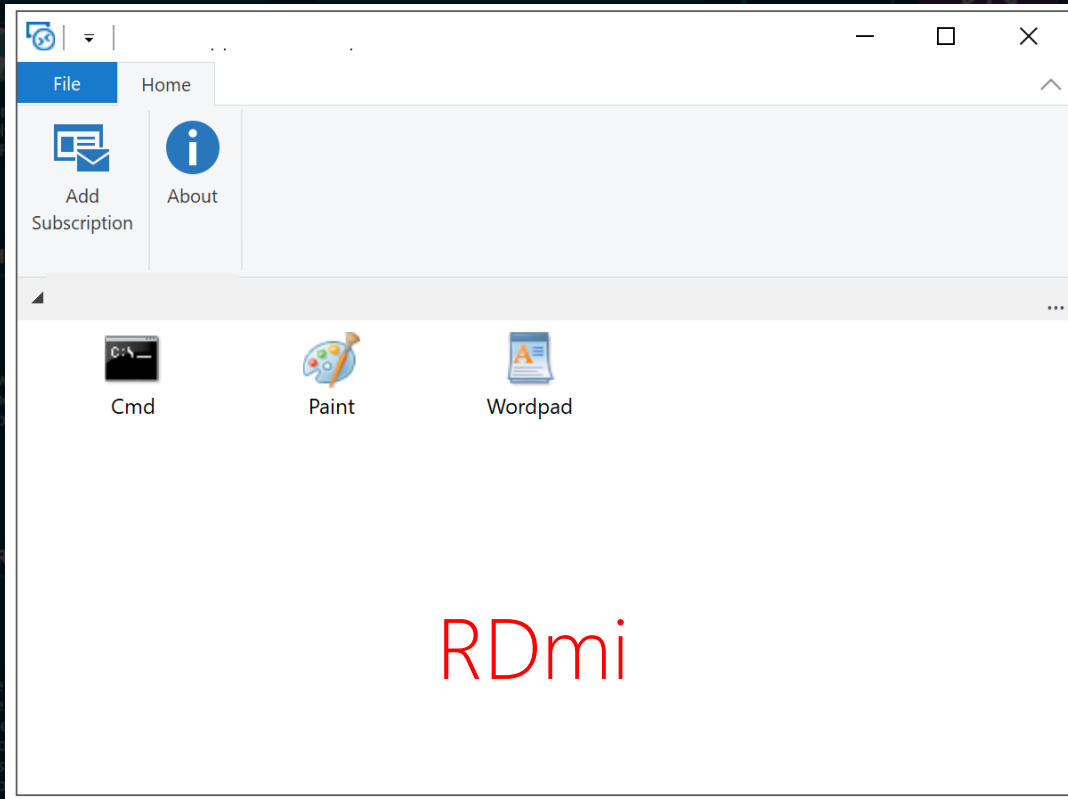


ACTIVE DIRECTORY

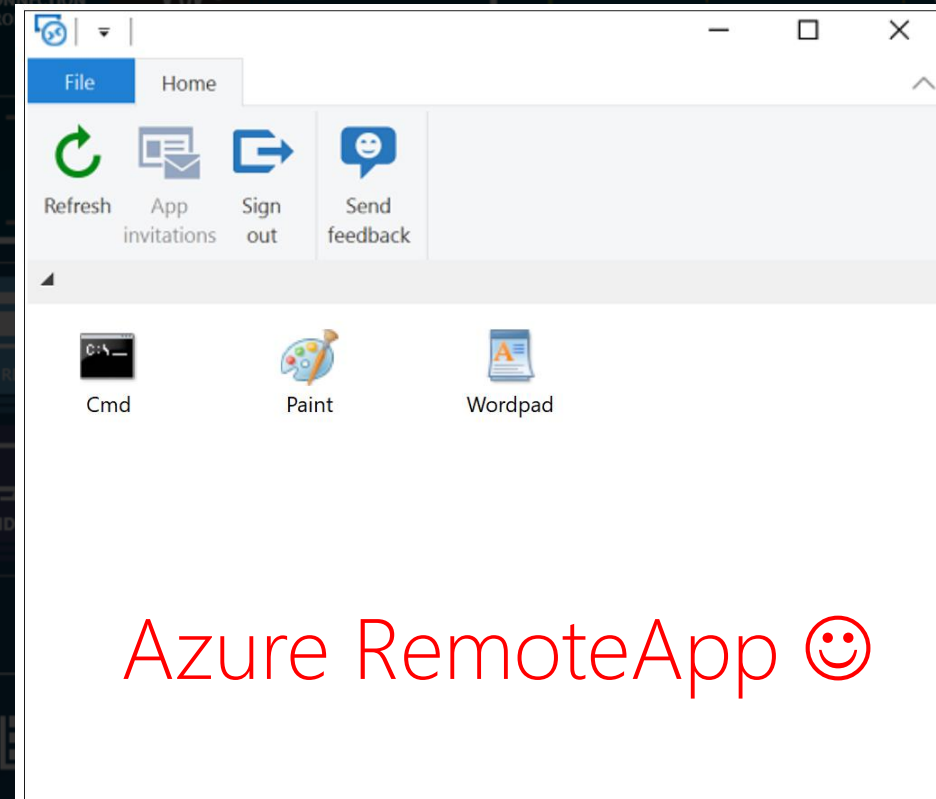


FILE SERVER

QUIZ: TAG THAT RDmi CLIENT! 😊



RDmi



Azure RemoteApp 😊

THANK YOU!

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