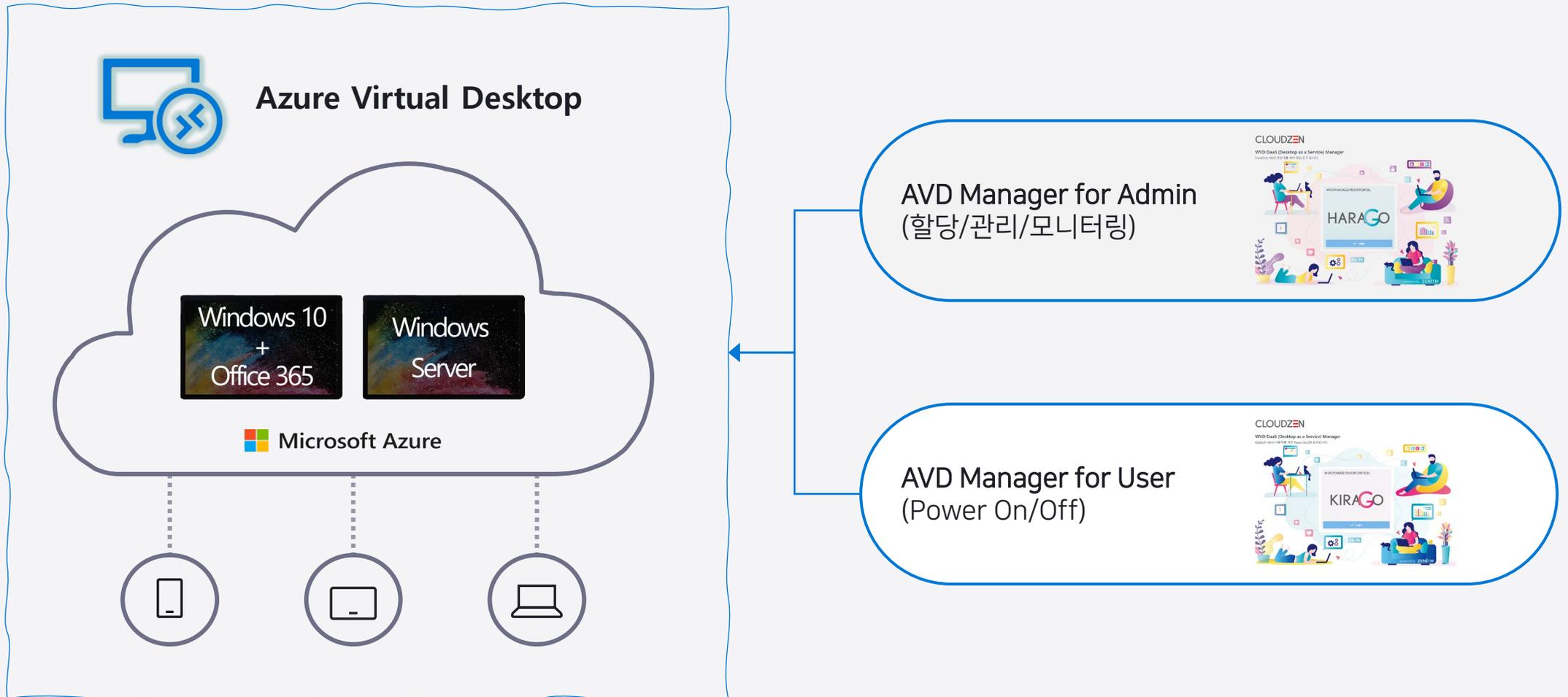


AVD Manager
HARAGO, KIRAGO

2021년 7월 7일
제니스앤컴퍼니

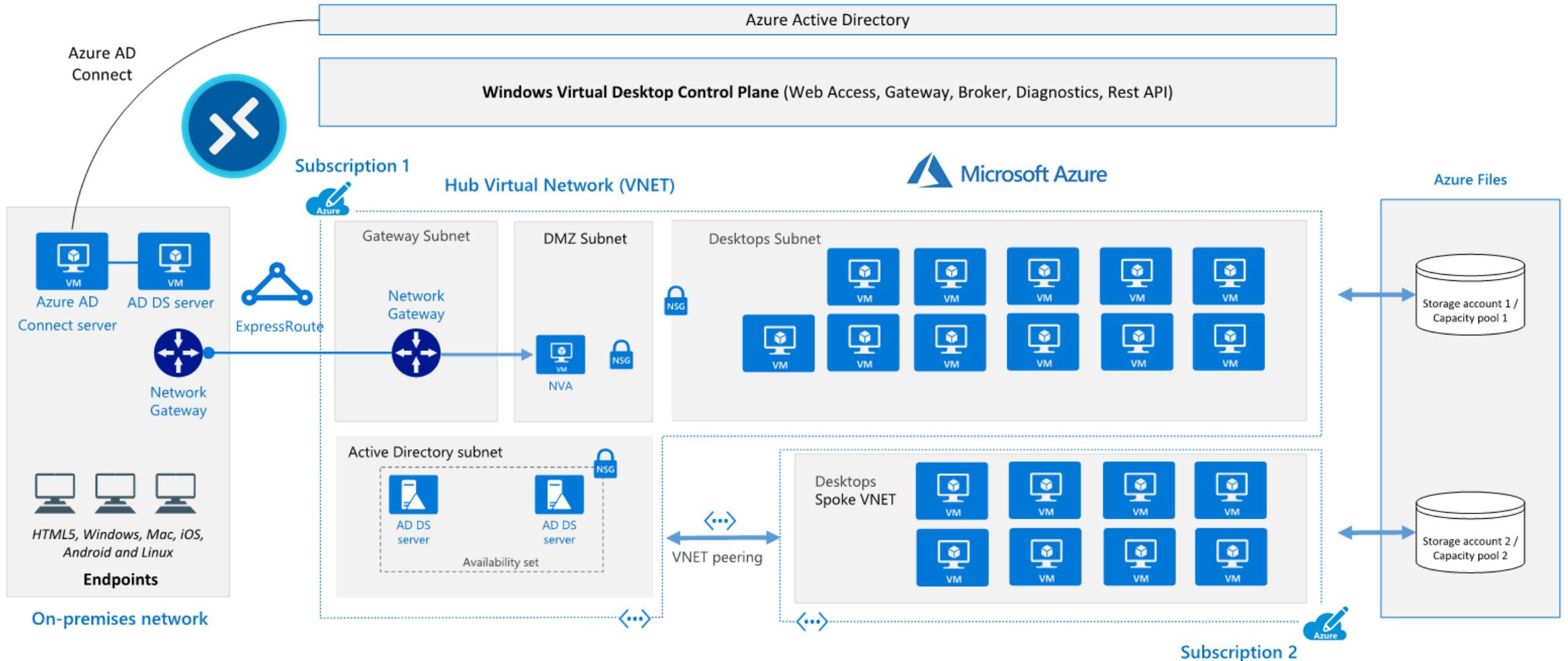
1. 개요

관리자에게 AVD 리소스에 대한 할당/관리/모니터링 기능을 제공하는 AVD Manager for Admin(HARAGO)와
사용자에게 자신이 사용하는 VM에 대한 전원관리 가능한 AVD Manager for User(KIRAGO)를 제공합니다.



2. AVD Reference Architecture

온-프레미스의 Active Directory와 연동하는 AVD의 전형적인 레퍼런스 아키텍처는 다음과 같습니다.



3. AVD Manager 주요 기능

AVD Manager는 Azure Virtual Desktop 관련 사용자 할당, 관리 및 모니터링 기능을 제공합니다.



4. AVD Manager - Dashboard

Dashboard에서는 전체 사용 현황 Overview 및 시간대별 Connection 현황 정보를 제공합니다.

The dashboard provides a comprehensive overview of AVD usage. Key features include:

- Time-based Connection Count:** A bar chart showing connections per hour.
- Active Users List:** A table listing currently active users with their state and connection time.
- Top 10 Active Users (Last 24 hours):** A table showing the most active users based on connection count.
- Average Session Duration (Last 7 days):** A table showing the average session duration for the top 10 users.
- Session Continuation (Last 7 days):** A table showing users with the longest session durations.
- Session Information by Date (Last 7 days):** A table providing detailed session logs including start and end times.
- Client OS (Last 24 hours):** A pie chart showing the distribution of client operating systems.
- Top 10 Connection Errors (Last 24 hours):** A pie chart showing the most common connection error types.

- 사용현황 Overview
- 시간별 Connection
- Active Users List
- 상위 Top 10 Active users (지난 24시간)
- 평균 접속 상위 Top 10 users (지난 7일)
- 세션 지속시간 상위 사용자 (지난 7일)
- 날짜 별 세션 정보 (지난 7일간)
- Client OS (지난 24시간)
- 접속 오류 상위 Top 10 (지난 24시간)

4. AVD Manager – Host Pool

Host Pool 현황 정보를 제공합니다.

- Host Pool 별 구성 정보 제공
- Host Pool 상세 정보 제공
- Pool 별 가동 시간 관리(평일, 휴일 등 구분)
- 공휴일 관리

멀티풀 가동 시간 관리

싱글풀 가동 시간 관리

상세 정보

Subscription:	8653080-5777-40b6-af63-643e8536177e	Resource Group:	wvdrcpool-g
Host Pool Type:	Personal	Max Session Limit:	999999
Load Balancer Type:	Persistent	Location:	eastus
Expiration Time:	2021-06-07T15:00:00Z	Friendly Name:	
Preferred App Group Type:	Desktop	Personal Desktop Assignment Type:	Direct
Validation Environment:	true	Cloud PC Resource:	false
Ring:		Token:	eyJHeG00JSU0b1N0Im9mZ06iZGZlMjg0QjQ0MkRERTNFRTR0M0dFRMTU3...
Registration Token Operation:	None	Migration Request:	
Start VM On Connect:	false	Sso ClientId:	
SsoSecretType:		SsoAuth Authority:	
Sso Client Secret Key Vault Path:		Custom Rdp Property:	audiocapturemode:1;camertoredirect:true
VM Template:	("domain": "wvdrcfg.com", "galleryimageoffer": "null", "galleryima...	Description:	Created through the WVD extension

2021년 공휴일 관리

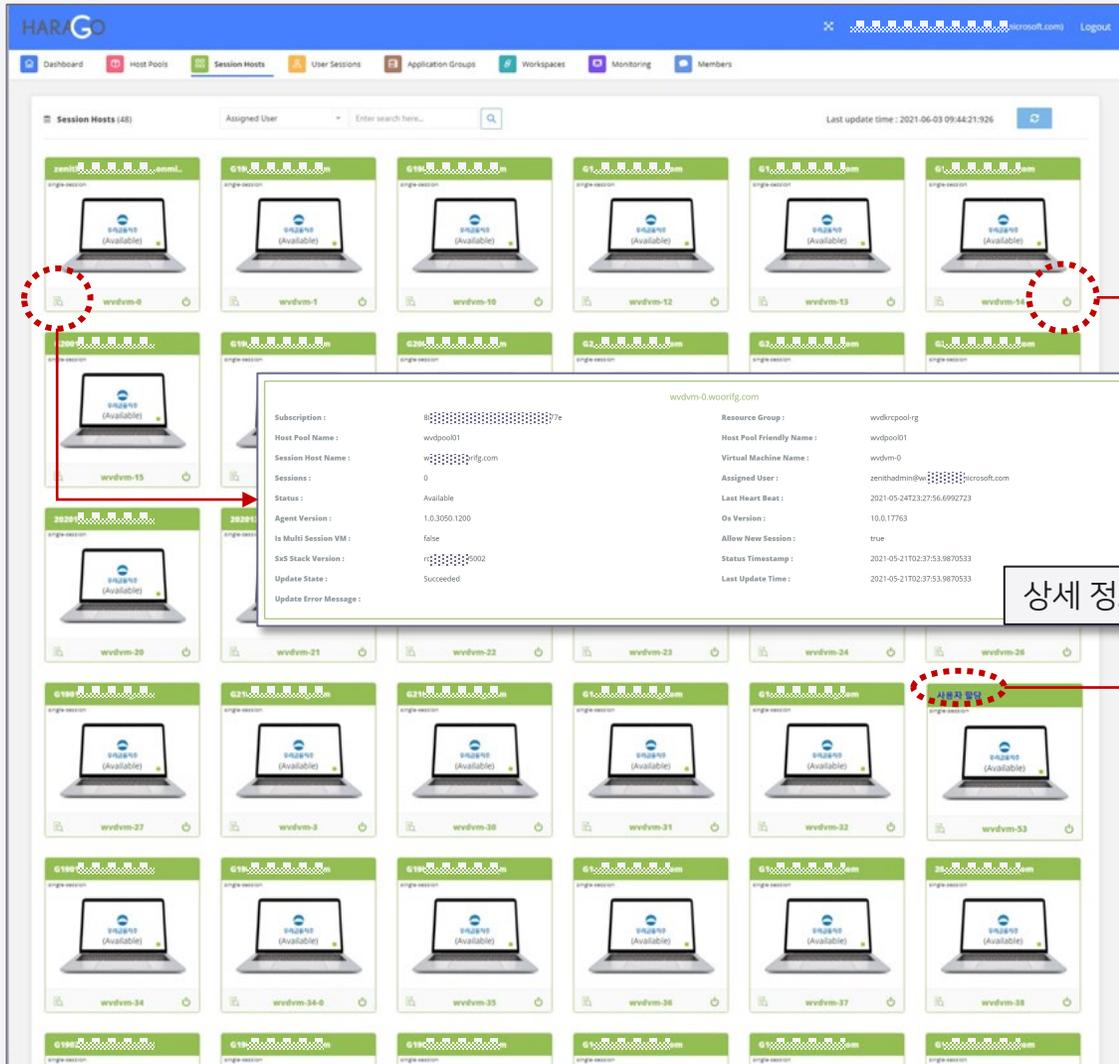
Date	Description
2021-08-16	평복절 대체공휴일
2021-09-20	추석
2021-09-21	추석
2021-09-22	추석
2021-10-04	개천절 대체공휴일
2021-10-11	한글날 대체공휴일
2021-12-27	크리스마스 대체공휴일

공휴일 관리

4. AVD Manager – Session Host

Session Host 현황 정보 및 사용자 할당 기능을 제공합니다.

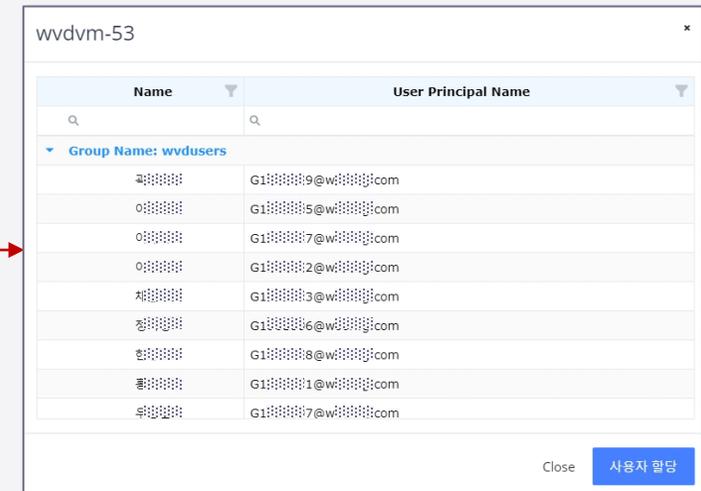
- Session Host 별로 Power On/Off 기능 제공
- Session Host 상세 정보 제공
- 사용자 할당



Power On/Off

상세 정보

Host에 사용자 할당



4. AVD Manager – User Session

현재 접속된 User Session 현황 정보를 제공합니다.

The screenshot shows the HARAGO AVD Manager interface. The 'User Sessions' tab is active, displaying a list of four sessions. The first session (G1901036@woorifg.com) is 'Active'. The second (G2002041@woorifg.com) is 'Active'. The third (G2004054@woorifg.com) is 'Disconnected'. The fourth (G2005058@woorifg.com) is 'Active'. Annotations include: a red circle around the search icon in the first session card pointing to a 'Send Message' dialog; a red circle around the 'Disconnect' icon in the fourth session card pointing to a 'Session Disconnect' confirmation dialog; and a red circle around the 'Details' icon in the first session card pointing to a 'Detailed Information' (상세 정보) window. The 'Send Message' dialog has fields for 'To', 'Subject', and 'Content'. The 'Session Disconnect' dialog asks for confirmation to end the session.

상세 정보

세션 강제 종료

관리자 메시지 전송

4. AVD Manager – Application Group

현재 관리하는 Application Group 현황 정보를 제공합니다.

The screenshot shows the HARAGO AVD Manager interface. The top navigation bar includes Dashboard, Host Pools, Session Hosts, User Sessions, Application Groups (selected), Workspaces, Monitoring, and Members. The main content area displays a list of Application Groups (4) with a search bar and a refresh button. The groups listed are multi-DAG, multipool-App, singlepool01-DAG, and singlepool02-DAG. A red circle highlights the magnifying glass icon on the multi-DAG card, with an arrow pointing to a modal window showing details for 'wvdpool01-DAG'.

Application Groups (4) Name Enter search here... Last update time : 2021-06-24 15:54:35:146

multi-DAG	multipool-App	singlepool01-DAG	singlepool02-DAG
Resource Group : WVD_dev Application Group : multi-DAG Application Group Type : Desktop Location : eastus	Resource Group : WVD_dev Application Group : multipool-App Application Group Type : RemoteApp Location : eastus	Resource Group : WVD_dev Application Group : singlepool01-DAG Application Group Type : Desktop Location : eastus	Resource Group : WVD_dev Application Group : singlepool02-DAG Application Group Type : Desktop Location : eastus

wvdpool01-DAG Close

Subscription :	86.....177e	Resource Group :	wdrcpool-rg
Application Group :	wvdpool01-DAG	Application Group Type :	Desktop
Location :	eastus	FriendlyName :	Default Desktop
Description :	Desktop Application Group created through the Hostpool Wizard		

상세 정보

4. AVD Manager – Workspaces

현재 관리하는 Workspaces 현황 정보를 제공합니다.

The screenshot displays the HARAGO AVD Manager interface. The top navigation bar includes 'Dashboard', 'Host Pools', 'Session Hosts', 'User Sessions', 'Application Groups', 'Workspaces', 'Monitoring', and 'Members'. The 'Workspaces' section shows a list of three workspaces:

- multipool-ws01**: Resource Group: WVD_dev, Location: eastus
- singlepool-ws01**: Resource Group: WVD_dev, Location: eastus
- singlepool-ws02**: Resource Group: WVD_dev, Location: eastus

The 'multipool-ws01' workspace card has a magnifying glass icon circled in red. A red arrow points from this icon to a detailed view modal for 'WVD-Office01'. The modal displays the following information:

- Subscription : [redacted]177e
- Location : eastus
- Description :
- Resource Group : wdkrcpool-rg
- Friendly Name :

The modal also includes a 'Close' button in the top right corner and a Korean label '상세 정보' (Detailed Information) in the bottom right corner.

4. AVD Manager – Monitoring

현재 관리하는 Session Host에 대한 성능 현황 정보를 제공합니다.

The screenshot displays the HARAGO AVD Manager interface. At the top, there's a navigation bar with 'Monitoring' selected. The main content is divided into two sections:

- Desktop Activity (Desktops: 48):** Shows a grid of 48 green checkmarks indicating all desktops are healthy. A refresh button and last update time (2021-06-02 17:50:54:604) are also present.
- Host Details (wvdvm-9):** A detailed view of a specific host with the following information:
 - Assigned User: G21@woorifg.com
 - Status: Available (green checkmark)
 - Status Timestamp: 2021-05-30T23:34:16.432196
 - Host Pool Name: wvdpool01
 - Host Pool Friendly Name: wvdpool01
 - Session Host Name: wvdvm-9.woorifg.com
 - Sessions: 0
 - Agent Version: 1.0.3130.1200
 - Os Version: 10.0.17763
 - SxS Stack Version: rdp-sxs210405002
 - Is Multi Session VM: false
 - Allow New Session: true
 - Update State: Succeeded
 - Update Error Message: (empty)
 - Last Heart Beat: 2021-06-01T23:28:58.712699
 - Last Update Time: 2021-05-30T23:34:16.432196
- Performance Metrics (wvdvm-9 (Available)):** Four line charts showing performance over time (2021-06-03 09:36 to 09:45):
 - CPU (평균):** Shows a peak in CPU usage around 09:42.
 - 네트워크 (합계):** Shows network activity with peaks in both In and Out bytes.
 - 디스크 바이트 (합계):** Shows disk activity with a peak in total bytes around 09:42.
 - 디스크 작업/초 (평균):** Shows disk operations per second with a peak around 09:42.

Two callout boxes are present: 'Host 상태 정보' (Host Status Info) pointing to the host details, and '해당 Host 성능 정보' (Host Performance Info) pointing to the performance charts.

4. AVD Manager – AVD 사용자 정보 목록

AVD 사용자 정보를 제공합니다.

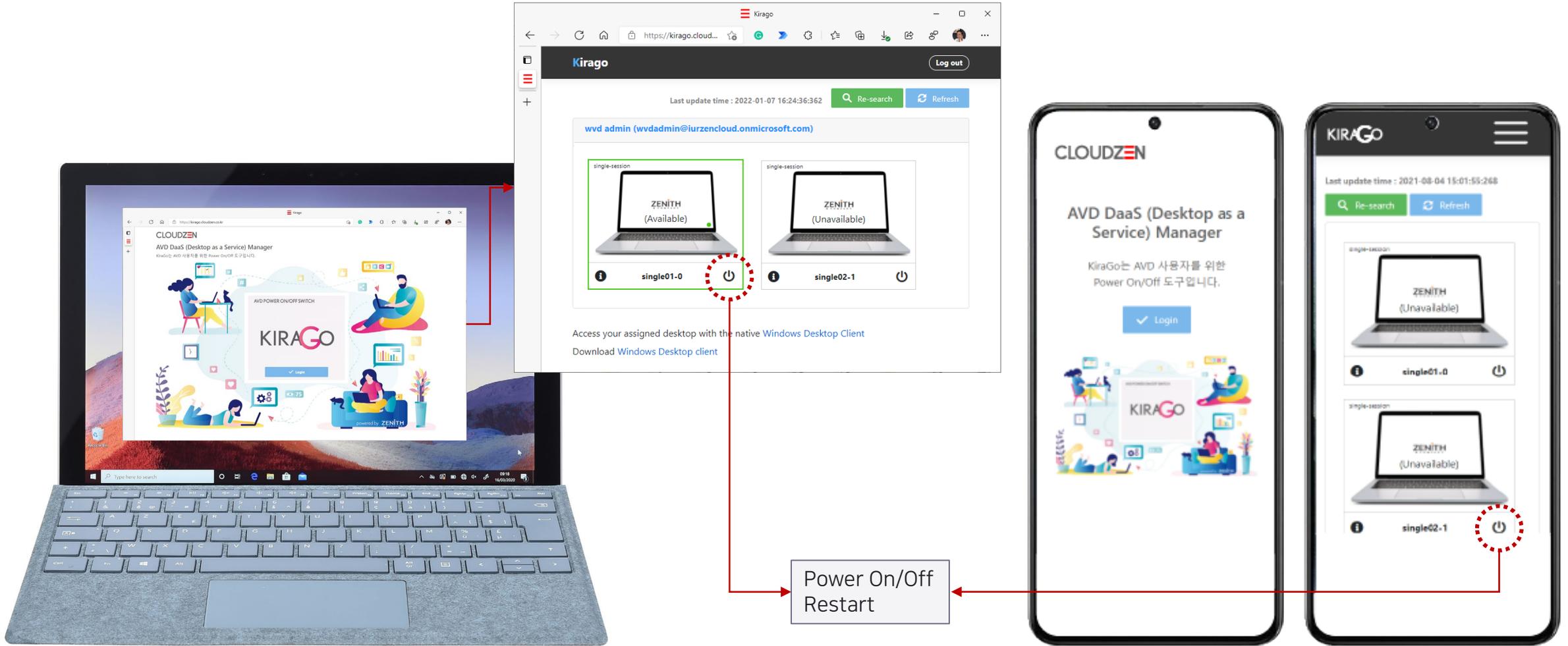
The screenshot shows the HARAGO AVD Manager interface. The top navigation bar includes the HARAGO logo, user information (wvd@...@microsoft.com), and a Logout button. Below the navigation bar are several menu items: Dashboard, Host Pools, Session Hosts, User Sessions, Application Groups, Workspaces, Monitoring, and Members (which is currently selected). The main content area is titled 'Members (13)' and features a search bar with the text 'Enter search here...'. To the right of the search bar, it shows the last update time as '2021-06-24 15:57:11:3' and a refresh button. On the left side, there is a 'Group Name' section with a list of groups: WVD-multipoolusers, WVD-single01users, and WVD-single02users. The 'Selected Groups' section shows 'WVD-multipoolusers' is selected. The main area displays five user cards for the selected group. Each card has a blue header with the user's email address and a white body with the following fields: Name (e.g., wvdtestuser00), Job Title, Office Location, Business Phones, Mobile Phone, and Mail.

Group Name	Name	Job Title	Office Location	Business Phones	Mobile Phone	Mail
WVD-multipoolusers	wvdtestuser00@iurzencloud..					
WVD-multipoolusers	wvdtestuser01@iurzencloud..					
WVD-multipoolusers	wvdtestuser02@iurzencloud..					
WVD-multipoolusers	wvdtestuser03@iurzencloud..					
WVD-multipoolusers	wvdadmin@iurzencloud.onml..					

그룹별 사용자 목록

4. AVD Manager – AVD 사용자 포탈

사용자 Host에 대한 Power On/Off/Restart 기능을 제공하는 AVD Manager 사용자 포탈을 제공합니다.



PC 환경

모바일 환경

5. 가격 정책

AVD Manager의 가격 정책입니다.

사용자수	단위 가격	비고
1~500	₩2,000	사용자 500명까지 가격
500~	₩1,000	사용자 500명 이후 증가분

❖ 커스터마이징을 위한 기술지원비는 MD 기준으로 120만원 이며, 상호 협의 하에 지원하게 됩니다.

감사합니다.

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