Today's Discussion Format

The discussion is being recorded.

Please use the chat window to ask your questions.

We have our experts on hand to answer your questions.

The video and content will be sent via email post event.

AGENDA

- Impact of changing from Capex to Opex
- Understanding your cost base
- Reporting and Show back/Charge back
- Advanced reporting

TODAY'S PRESENTERS
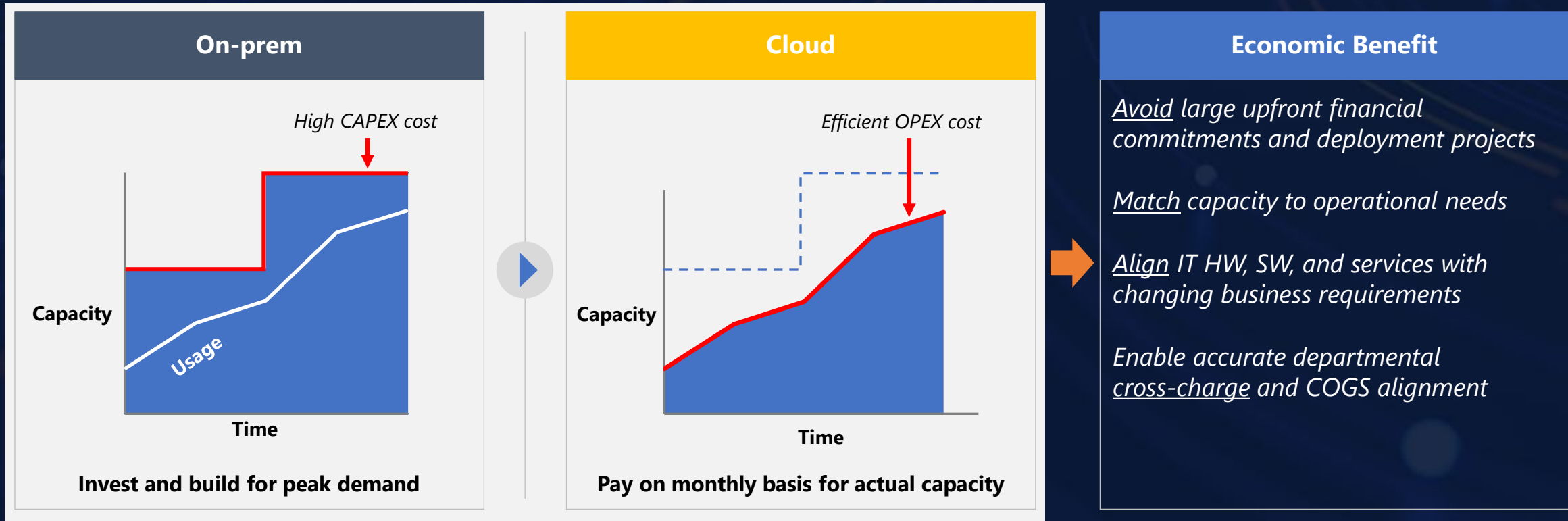
Paul Heaton
CEO & Co-founder
cubesys

in paulmichaelheaton

Silvan Maeder
CTO & Co-founder
cubesys

in silvan-maeder

Opex Spend Aligned to Business Usage

On-prem

High CAPEX cost

Capacity

Usage

Time

Invest and build for peak demand

Cloud

Efficient OPEX cost

Capacity

Time

Pay on monthly basis for actual capacity

Economic Benefit

Avoid large upfront financial commitments and deployment projects

Match capacity to operational needs

Align IT HW, SW, and services with changing business requirements

Enable accurate departmental cross-charge and COGS alignment

Note: Figures are illustrative and based on pre-configured assumptions; actual savings vary by user requirements and infrastructure configuration

Traditional VDI

- On premises/Datacentre
- Capex / transparent cost
  - Hardware
  - Datacentre
  - Licensing
- Physical cost is transparent
- Billed upfront
- Defined cost is depreciated over defined time
- The know cost is allocated based on a formula/key

Cloud VDI

- Microsoft Azure
- Opex / cost based on usage
- Cost varies based on consumption patterns
- Cost is unpredictable
- Hard to understand and allocated the variable monthly cost
- Monthly usage bill

"<u>consumption-based</u> user cost report

for any AVD environment"

UNDERSTANDING YOUR COST BASE

AVAILABLE DATA
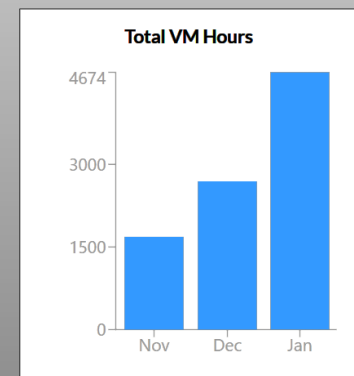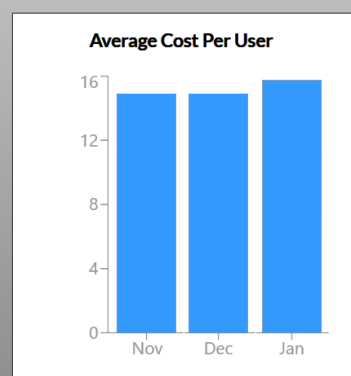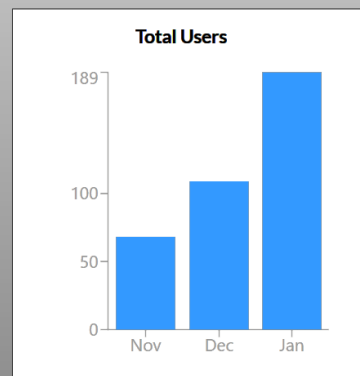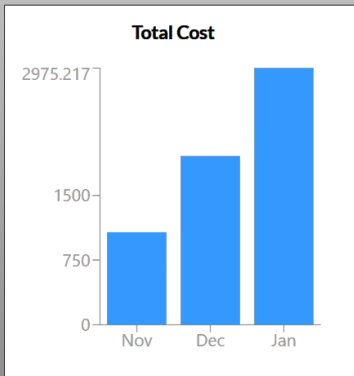
Azure Cost Management

AVD Session Log

VM Usage Time

CLOUDCLARITY

CLOUDCLARITY SUMMARY

Report Period | Jan 2022 ▽ | **Report Type** | Listed, Pro-Rata, Usage ▽ |

Period	Total Cost	AVD VM Cost allocated*	AVD VM Cost unallocated**	Storage Cost	Network Cost	SaaS Subscription	AVD Platform Cost
Jan 2021	$3,900	$2,000	$1,000	$500	$200	$100	$100

Total Users	Average Cost per user	Total VM Hours	Total Session Hours	Average Number of sessions per user	Average Session Time	Total Number of Sessions
200	$19.50	4674	3521	12	123 Min	2275

* AVD VM Cost allocated
The total cost of your AVD VMs with at least one session during the reporting period

** AVD VM Cost unallocated
The total cost of AVD VMs which cannot be allocated to users

THREE MONTH TREND

Total Cost

2975.217

1500

750

0
   Nov   Dec   Jan

Total Users

189

100

50

0
   Nov   Dec   Jan

Average Cost Per User

16

12

8

4

0
   Nov   Dec   Jan

Total VM Hours

4674

3000

1500

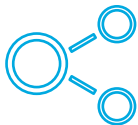0
   Nov   Dec   Jan

COST TYPES

User Allocated Session Cost

- Cost which **can** be allocated to users
- Per user session cost is based on:
    - minutes consumed per user
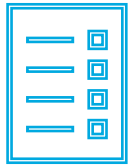   - Cost of actual AVD VM (SKU)

Unallocated Session Cost

- Cost which **cannot** be allocated to users
- Unallocated session cost is based on:
    - AVD VM minutes with no sessions
    - Calculated on each VM individually

Shared Cost

- Shared cost consists of:
    - Storage
    - Network
    - SaaS Subscriptions, such as Nerdio
    - AVD Platform
    - VMs (such us infrastructure VMs/ VMs with no sessions)
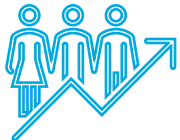
SHARED COST ALLOCATION OPTIONS

Listed
With this method the shared cost will be listed by resource/type and not be allocated to the users

By user count (pro-rata)
With this method the shared cost will be distributed to all users who logged on during the reporting period equally

By user usage (usage proportion)
With this method the share cost will be distributed to all users proportional to their usage of AVD

CLOUDCLARITY

USER DETAIL

Report Period	Jan 2022 ▽	Report Type	Listed, Pro-Rata, Usage ▽	User Name	user@name.com ▽

Period	Total Cost	AVD VM Cost allocated*	AVD VM Cost unallocated**	Storage Cost	Network Cost	SaaS Subscription	AVD Platform Cost
Jan 2021	$12.32	$2.34	$1.78	$1.83	$0.02	$3	$3.35

Sessions	Session hours	VM Types	Resources	Logons by Day	Average Session Time
6	8.55	▪ D2s V5 ▪ D4s V5	▪ SH001 ▪ SH002	▪ Mo: 02 ▪ Fr: 04	1.4 H

* AVD VM Cost allocated
The total cost of your AVD VMs with at least one session during the reporting period

** AVD VM Cost unallocated
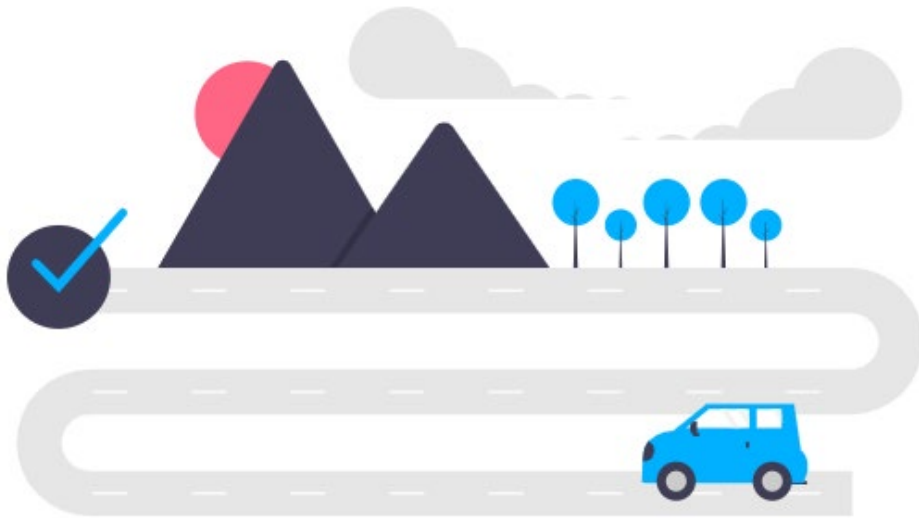The total cost of AVD VMs which cannot be allocated to users

SESSIONS LOG

VM	VM Type	Start Time	End Time	Session Hours	Cost
SH001	D2s V5	14/04/2022 9:41	14/04/2022 11:39	1.97	$0.54
SH001	D2s V5	14/04/2022 11:42	14/04/2022 11:49	0.12	$0.03
SH001	D2s V5	14/04/2022 11:50	14/04/2022 12:36	0.76	$0.21
SH001	D2s V5	14/04/2022 12:36	14/04/2022 17:44	5.14	$1.41
SH002	D4s V5	20/04/2022 10:00	20/04/2022 10:07	0.11	$0.03
SH002	D4s V5	21/04/2022 12:02	21/04/2022 12:28	0.45	$0.12

FEATURES AND BENEFITS

- Consumption based user cost report

- Gain insights into AVD environment usage by time/user/cost

- Export data to CSV for further analysis

CLOUDCLARITY

COMING SOON!

POWER BI ROADMAP

- PowerBI connector
  - Report on demand
  - Add additional data sources
  - Tailor existing template to your needs

- User drilldown
  - Cost for user, cost over time, daily cost, patterns
  - Usage over time and logon and logoff times per day
  - VM type and size

- Infrastructure
  - VM types
  - Usage on individual VMs
  - Number of users per VM
  - Idle VMs, VMs with no sessions over a timespan

- Time analysis
  - Logon Times (time of day)
  - Sessions Times (on a time scale overlap)
  - Longest Sessions
  - Shortest Sessions

QUESTIONS?

SESSION 7: AVD COST ANALYSIS & CHARGE BACKS