

PURPOSE: To explain the differences between the DoD Commercial Virtual Remote (CVR) and the Air Force Cloud Hosted Enterprise Services (CHES) collaboration capabilities.

WHO IS IMPACTED: All Air Force Users

BLUF: All Air Force personnel will soon have two separate Microsoft collaboration capabilities available for use:

1. CVR

- a. **The CVR environment was specifically developed by the DoD CIO Cloud Computing Program Office (CCPO) in response to the COVID-19 National Emergency Declaration.** CVR provides users with a temporary Microsoft O365 collaboration suite solution, consisting of tools such as Teams, SharePoint, Word, Excel, PowerPoint and Microsoft OneDrive cloud storage capability.
- b. **An Exception to Policy memo was signed by the DoD Senior Information Security Officer, accrediting the CVR Teams Environment from Impact Level 2 (IL-2) up to IL-4, or Controlled Unclassified Information (CUI), with the exceptions listed below per the following memos: 1) *CVR – Signed_CUI Waiver Memo_26 MAR 2020.pdf* and 2) *Signed Memo on treatment of PII within Info Impact Level Commercial Cloud Services for DoD.pdf*.**
 - i. CUI under the control and direction of the DoD (Controlled Technical Information, Critical Infrastructure Security Information, Naval Nuclear Propulsion Information and Unclassified Controlled Nuclear Information – Defense);
 - ii. All data types under the Law Enforcement CUI grouping; and
 - iii. All data types under Privacy data, with the exception of low confidentiality impact personally identifiable information (PII).
- c. **This service will only be accessible for the length of the COVID-19 crisis (6 months).** The licenses will expire on 15 Sept 2020, at which time all Teams, chats, channels, and files saved in the CVR environment will be erased and sanitized. **There will be NO enterprise mass migration of data – users will be responsible for data migration,** and will receive an email at least 2 weeks prior to termination of the CVR environment to do so.
- d. This service is the single DoD-approved commercial enterprise solution for collaboration and productivity services.
- e. **CVR can be accessed from ANY device** – Both personal and/or government-issued computers AND mobile devices (See Figure 1)
- f. **Does NOT require VPN connection or CAC to access**
 - i. Uses username & password log-in instead

- ii. Two-factor authentication via code sent to secondary device
 - iii. Reduces network saturation from VPN use
- g. Provides chat services for 4M+ DoD users, including 4th Estate
- h. Provides Audio / Video / Virtual Meetings / Screen Share / Document Collaboration and Storage

Figure 1. How to Access CVR Teams from Different Types of Devices

Type of Device	Accessibility Options	Instructions
GFE Computer	Functional with OR without VPN connection – intended for use without. Accessible via Desktop Teams application OR Web-based Interface.	Use the current Teams desktop application installed on your computer (log out of CHES / IL-5 Teams account & log back in with username / password for CVR account). OR Log-in to the Microsoft CVR / Teams Web-based Interface through your Internet browser (Edge advised) with username / password for CVR account.
GFE Mobile Device	Microsoft Teams App	Download the Microsoft Teams application outside of the UEM Secure Container. Log in using your username / password for CVR account.
Personal Computer	Functional via commercial internet & Web-based Interface	Log-in to the Microsoft CVR Web Application through your Internet browser (Edge advised) with username / password for CVR account.
Personal Mobile Device	Microsoft Teams App	Download the Microsoft Teams application from Google Play / App Store / Web download. Log in using your username / password for CVR account.

2. CHES

- a. **Provides users with a permanent (IL-5) Microsoft O365 collaboration suite solution**, consisting of tools such as Teams, Exchange Online, SharePoint Online, OneDrive and Microsoft Office products. This is the version of Teams that most AF users are already familiar with (made available in Fall of 2019) and is the AF's primary Microsoft O365 service.
 - i. NOTE: National Capital Region and Air National Guard Units have not fully migrated to CHES.
 - b. Requires **BOTH VPN connection & CAC to access environment**
 - c. Provides normal operational communication and collaboration services
 - i. Accredited for ALL CUI (no exceptions) / IL-5 data
 - d. Permanent availability of environment for Document Storage
 - e. Email and Shared Drive Integration
- 3. User data between the CVR Teams and AF CHES Teams environments is non-transferable and will be kept separate from one another.**
- a. These two environments (CVR & CHES) are NOT connected together
- 4. Figure 2 provides a breakout of the key differences between the CVR and CHES Teams services and their capabilities:**

Figure 2. Comparison Between DoD CVR and AF CHES Teams Environments

Capability	CVR Teams	CHES Teams
Data		
Accredited for Controlled Unclassified Information except: LEO, PII-High, and PHI	X	X
Accredited for all CUI		X
Availability of Environment	Temporary (6 months)	Permanent
Features		
Website Tab	X	X
OneNote Tab	X	
Office Products Tab (Word, Excel, PowerPoint)	X	X
Planner Tab	X	X
Wiki Tab	X	X
Stream Tab (Uploaded videos)	X	
Audio/Video Conference Meetings	X	X
File Sharing/Storage	X	X
Recording Audio/Video Meetings	X	
Email Notifications	X	
Access		
Off Base Through VPN	X	X
On Base	X	X
GFE Mobile	X	
BYOD (Personal) Mobile	X	
Through Commercial Internet	X	
Collaborate with Other DoD Agencies	Group Chat, Teams, and 1:1 Chat Available	1:1 Chat Available