Panel Discussion on Strategic Overview of AFR’s Innovation and Technology

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Panel Members

- Col Jerry Narum
  - Director, Cyberspace and Technology
  - Chief Information Officer

- Col Shane Matherne
  - Chief, Capabilities and Integration Division

- Fred Massey
  - Chief, Plans and Programs

- Clayton Sammons
  - Chief Technology Officer
Transforming IT Service Delivery

AFR TODAY
- VOIP
- 17K PCs
- 10 DATA CENTERS

AFR FUTURE
- ZERO CLIENTS
- CLOUD

LINES OF EFFORT
- SECURITY (WIN 10)
- MISSION MOBILE
- PERSONAL MOBILE
- DATA PROTECTION, AVAILABILITY/ANALYTICS
- INFRASTRUCTURE MINIMIZATION, AGILE CML SOLUTION
- ON RAMP TO CML CLOUD IF COST EFFECTIVE

Leveraging Commercial Solutions & Increasing Cyber Protection
AFRC VDI

- 10 bases/2 locations/virtual apps—23K users
- VMware/Cisco UCS/EMC XtremIO/Dell Wyse
- Virtual environments distributed at bases

HQ AFRC Functional Services

Centralized Management at HQ

Minn-St Paul  Dobbins  ARPC  Youngstown
Niagara Falls  Pittsburgh
March  Carswell  Grissom  Homestead  Westover
AFRC VMI

AFRC Cloud
Core/Functional Services
Host bases-Tenants-IMAs-Recruiters-Reservists
HQ AFRC Dobbins March
Air Force Mobile Environment

Hybrid Cloud Environment

Executive
- Most Not Mobile Friendly or Mobile App capable
- OPR/EPR
- Laptop, Tablet, iPhone, iPad...Android etc.
- FOUO, PII...

Functional
- Tech Orders
- Wing Newsletter (PA)
- Public Info (PA)
- MMK
- Wings, RIO, USAA

Personal
- OPR/EPR
- Tech Orders
- Wing Newsletter (PA)
- Public Info (PA)
- MMK
- Wings, RIO, USAA

AF Business Systems
- Content
- Devices
- Data
- Mobile Apps

Mobile Infrastructure

Device Management/Security, Content Management, Encrypted Data Transactions & Access to NIPR from Personal Devices

FOUO, PII...
Executive Leadership Use

Functional Mission Use

Personal Use Your Own Device

Hybrid Cloud Environment

- eTools A4
- EFB
- MMK

Desktop Anywhere

Airwatch (MDM, MAM, MDM)

AF Business Systems
Content
Devices
Data
Mobile Apps
Mobile Infrastructure
Desktop Anywhere/Airwatch

- **Purposes:**
  - Create/use secure virtual desktop inside the AF Network
  - Means to securely access resources as if at an AF desk/device
  - Designed for mobile non-physically AF base located users
  - Reduce/eliminate need for issuing gov’t laptops to non-resident users
  - Enable AFRC’s move to mobile workforce
  - Enable AFRC to move from fixed desktops to mobile devices
  - Enable mobile Unified Collaboration

- **Description:**
  - Uses HorizonView app
  - Works as if you’re at an AF desk on an AF computer
  - Can use on personal Macs/PCs
  - Once Airwatch and Purebred are available, can use Android, iOS

- **Targeted Users:**
  - Primarily IMAs
  - Recruiters
  - AFRC host base users
Tomorrow’s ARCNet will receive all data through SOCE-N, an AFRC/A6 internal data aggregation cache. Currently receives personnel data from 8 authoritative data sources. However, 3 sources based on units providing the data to ARCNet for import.
Questions?