

Storage Services
Infrastructure Services

Backup Services

Support

Non-Profit

Disaster Recovery

Security Services

Services

Florida Lambda Rail

40-Years

Innovation

Colocation

Server

Cloud

Connectivity Technology

Cost Recovery

Data Center

NWRDC

Network Services

Mainframe

Data Protection Plans

Presented by

Tim Brown
Executive Director

What IS a data protection plan anyway??

- ❖ More than just a backup?
- ❖ More than DR?
- ❖ Is all data electronic? What about hard copy?

What IS a data protection plan anyway??

- ❖ Inventory
- ❖ Location
- ❖ Authorization
- ❖ Protection

Inventory

- ❖ What type of data do you have?
- ❖ **Confidential** - *information not subject to inspection by the public that may be released only to those persons and entities designated in Florida statute; information designated as confidential under provisions of federal law or rule.*
- ❖ **Private**
- ❖ **Public**

Inventory

- ❖ Who “owns” the data?
- ❖ Rules for each data type?
- ❖ FERPA, HIPAA, GLBA, PCI, CJIS, etc?
- ❖ Data retention requirements for each data type?

Data Lifecycle

- ❖ Generation
- ❖ Use\Update
- ❖ Share
- ❖ Store\Archive
- ❖ Destroy

Location

- ❖ Where is your data stored?
- ❖ Backups\Archives\Snapshots?
- ❖ DR site?
- ❖ Cloud?
 - ❖ Geographic restrictions?

Location

- ❖ Filing cabinets?
- ❖ Mini-warehouses?
- ❖ Home or mobile computers?
- ❖ USB drives\portable media\devices?

Authorization

- ❖ Who has access to what?
- ❖ Who approves access?
 - ❖ (delegation of authority)
- ❖ Least privilege?

Authorization

- ❖ Are access levels documented?
- ❖ Are access levels reviewed?
- ❖ What about for hard copies?

Protection

- ❖ What are the security requirements for each type of data?
- ❖ Encrypted at rest or in transit?
- ❖ Physical security
- ❖ Cameras\alarms systems

Protection

- ❖ How is data transferred or shared?
- ❖ Portable media
- ❖ Fax machines
- ❖ FTP
- ❖ E-Mail
- ❖ Portable devices

Protection

- ❖ Backups
- ❖ How long are they kept?
- ❖ Is backup retention used to manage data retention?

Protection

- ❖ Are backups encrypted?
- ❖ Stored offsite?
 - ❖ Where?
- ❖ Do you concentrate on backups times or restore times?

Protection

- ❖ Disaster recovery
- ❖ Geographic restrictions
- ❖ Cold\Warm\Hot

Protection

- ❖ Application priority: What comes up first?
- ❖ Operations from DR site
- ❖ Security at DR site

Protection

- ❖ Availability?
- ❖ Clean Desk policy?
- ❖ How is media destroyed?

Northwest Regional Data Center



Located in Tallahassee, Florida, NWRDC was founded in 1972 as one of four regional data centers serving State University System of Florida. We have been providing services for over 40 years.

NWRDC: Who we are...

- ❖ Operates as a 100% self funding auxiliary of Florida State University
- ❖ Provide services to universities, colleges, K12, as well as city, county, and state government entities
- ❖ NWRDC was designed and engineered to be a state-of-the-art data center that could guarantee customers' security, accessibility and connectivity

NWRDC Services

❖ Server Hosting

- ❖ Collocation and Disaster Recovery site (hot, warm, or cold)
- ❖ Managed services

❖ Storage on Demand

- ❖ Capacity on Demand
- ❖ IOPS (Performance) on Demand
- ❖ Backup as a Service

NWRDC Services

- ❖ Cloud Infrastructure as a Service
- ❖ Mainframe Hosting
 - ❖ Primary application hosting
 - ❖ Application “sun setting”
- ❖ Tallahassee Fiber Loop
 - ❖ Connectivity to the FLR (10Gb)

Thank You

Questions?

info@nwrdc.fsu.edu

References

- Florida Administrative Code Rule 71-A
- **Data Classification and Handling Policy: Michigan Technological University;**
[http://security.mtu.edu/policies-procedures/
DataClassificationAndHandlingPolicy.pdf](http://security.mtu.edu/policies-procedures/DataClassificationAndHandlingPolicy.pdf)