

IOT Enterprise Resiliency Services - 2021

Who We Are:

Our team works with the operational teams of IOT and the agencies to devise a recovery plan for the critical systems in an Operational outage or in a declared Disaster event.

Our Mission:

To provide consistent delivery of Disaster Recovery services to enhance the availability and recoverability of state-held critical assets hosted at IOT Data Center while supporting the State's business objectives.

Department: Disaster Recovery and Business Continuity Services

Manager Emily Larimer

Formed: 2007 under Security Team, moved to Server Hosting and Shared Services Team Nov. 2017

What We Do:

Collaborate and partner with agencies to design, plan, standardize, implement, test, and document the critical systems DR plan in accordance with the compliance set forth with the policies directed by IOT Security.

We also manage yearly contracts and maintain a positive partnership with the colocation datacenter provider

Collaborate and partner with IOT Operational teams to devise a COOP plan for IOT Business Operations and assist developing Business Continuity Plan for Operational outages for IOT as an agency.

Our Products:

1137P DR Traditional - Physical Server

1137V DR Traditional - Virtual Server

1137MP DR Premium - Physical Server

1137MV Disaster Premium - Virtual Server

1137R Rack Hosting (Bloomington only)

Our Tools:

Colocation Data Center

IU Data Center, Bloomington

EMC VMAX3

PureStorage

DS8910 (Mainframe)

Replication

EMC VMAX3 SRDF/Metro

PureStorage

DataGuard (EXADATA, OracleRAC)

Metro Mirror (Mainframe)

Archive

ISILON

EMC Elastic Cloud Service

Network Attached Storage

I-Light 10 GB (Protected Zone)

I-Light 10 GB (Intranet – December 2019)

Backup

AVAMAR

EMC Data Domain (Oracle database backups)

TS7760 (Mainframe)

Our Metrics: Tracks metrics for its agency critical systems DR tested every year.

Track metrics for Business Continuity efforts

Our Customers:All Executive Branch agencies, Secretary of State, and Department of Education

Our Budget: \$0.5M

Our Growth: 48 Agencies are using the Disaster Recovery services

Major Accomplishments - 2020:

Modest score on Gartner Maturity Assessment

DR Tests/Tabletop Exercises

Rebranded MHA to DR Premium

Enhanced focus with Business Continuity

COOP Winter 2020 version

COOP Tabletop Exercises

[Agency IT DR Tests/Tabletop Top Exercise - 2020](#)

Pandemic Improvements assistance

ISI Archer Profile for IOT Core Infra. Systems

Hygiene Improvements for

Policy and Standards Improvements

DR Tests

Current Projects:

Disaster Recovery – IT

IU Data Center Consolidation/Cloud Integration

[Agency IT DR plan 2021](#)

COOP/Safety & Emergency Management

Evacuation Drill Summer

Emergency Notification System

Floor Marshal and Volunteers

COOP Functional Exercise Summer

IOT Response Teams

IOT Mobile Contacts Offline Database

Red Cross Training for Volunteers