Ransomware response for hospitals

With Epic,
Microsoft
Azure and UST

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How to mitigate ransomware threats with Epic Cloud Read-Only (CRO) solutions on Microsoft Azure

Ransomware is the largest risk you face in terms of an extended disruption to healthcare delivery. Plan for that what-if scenario in order to respond effectively and minimize disruptions to patient care.

Advantages of a Cloud Read-Only environment

Internet accessible during an event where production, reporting and disaster recovery environments are all inaccessible due to attack.

Epic allows building the cloud read-only environment using Infrastructure-as-a-Service (IaaS) cloud offerings.

Isolated from your primary network and deployed in a completely different domain.

Limited connectivity to the primary network that can be quickly and easily disabled.

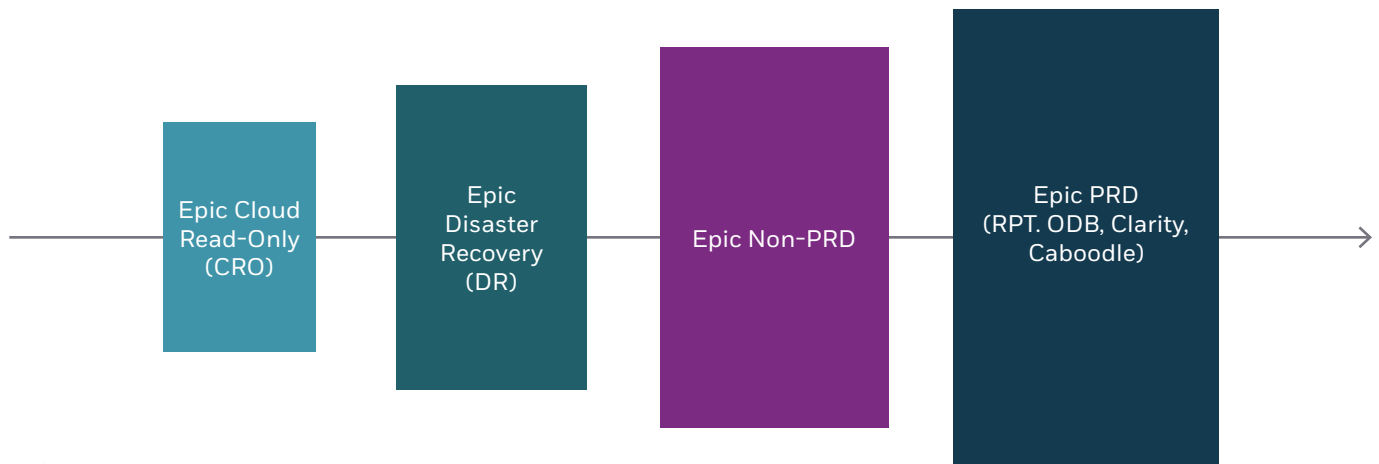## Epic on Microsoft Azure – Cloud Read-Only

Architecture for ransomware mitigation

- **Emergency access to read-only data**
  All patient and chronicles data (full history)

- **Isolated network & domain**
  Epic native and MFA

- **Backups to immutable recovery vault**

- **Limitations**
  - Not sized for full production users
  - Hyperspace web & mobile access only
  - No web blob or DMS
  - No third-party integrations
  - No MyChart, EpicCare Link, etc.
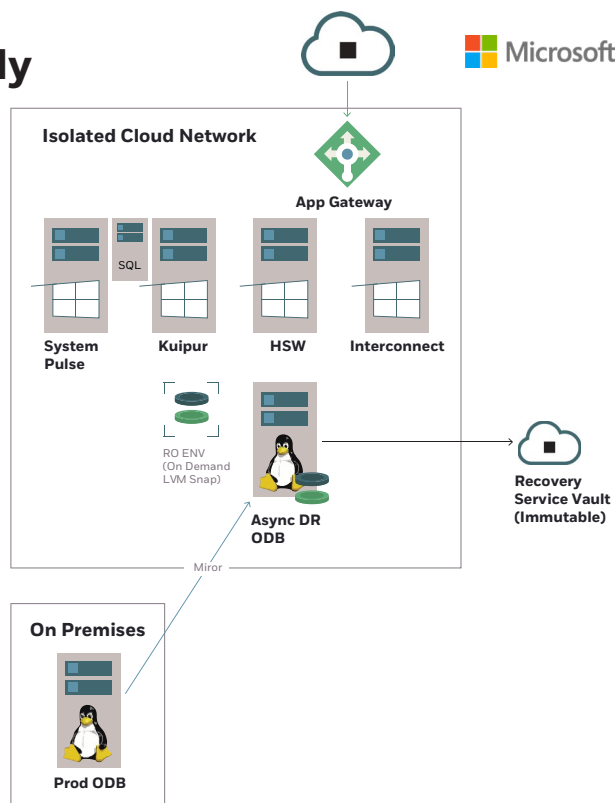
The environment consists of a read-only replica of your production operational database (ODB) paired with additional Epic components needed to enable user access via a browser and mobile applications. To minimize the attack surface of the cloud read-only environment during normal operations, the secure connection between your primary data center(s) and the cloud is the only link between the cloud read-only environment and your primary network.

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Epic on cloud with UST for CRO, DR and PRD

Epic Cloud Read-Only (CRO) → Epic Disaster Recovery (DR) → Epic Non-PRD → Epic PRD (RPT. ODB, Clarity, Caboodle)

Service models

Service mode	Service	Epic environments	Timelines
Advisory	Epic on Cloud, Cloud Economics & Migration Assessment	All Epic and 3rd party	4 weeks
Migration services	Epic Cloud Read-Only (ransomware protection)	Partial DR on Cloud	8 weeks
Migration services	Epic Disaster Recovery (DR) on Cloud	Epic PRD on-prem (customer) & DR on Cloud	20 weeks
Migration services	Epic Enterprise (Non-PRD, PRD) on Cloud	All Epic on cloud	38–52 weeks
Managed services	Epic on cloud managed services	As-a-service model, all Epic and 3rd party	3 years fee-at-risk

About us

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