

Electronic Health Records (EHR) on AWS

Unlock value from the cloud

EHR on AWS enables cost savings, agility, and the ability to leverage the latest cloud tools such as analytics, artificial intelligence, machine learning and consumer engagement technologies

What are the optimization opportunities?





Static compute capacity

Production compute capacity is purchased in three-to-fiveyear cycles and statically sized at 150 percent of current production peak load. Disaster recovery capacity is 100 percent of production and after dev/test and other support systems it results in more than three times production capacity spend. Cloud elasticity allows growth on demand.



Expensive data growth

Well-architected EHRs retain multiple copies of their production data. Every terabyte of growth results in multiple terabytes of storage consumption often up to 12 times the size. With AWS capacity on demand, you can size capacity as needed.





Geo-redundant disaster recovery

Best practices recommend a secondary data center facility with production-equivalent capacity and capabilities, tested annually. With capacity on demand right-sizing your cloud DR environment may only require seven percent of production resources until a test or disaster thus reducing costs significantly.

EHR on AWS objectives



Performance



Reduce operating costs



Sustain through automation

On-premises

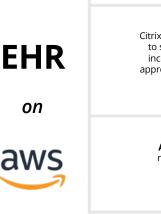
\$11M

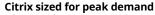
16+

weeks



Optimize workforce





Citrix is typically sized **two to three times** production to support DR, three year growth, and maintenance, including supporting infrastructure. Refreshes occur approximately every three years. Elastic infrastructure allows you to pay only for what you need.





EHR release cycle is accelerating

Automation of the infrastructure and application release cycles eases the pressure on your support teams and reduces the chance of human error with infrastructure as code





Access to new enhanced computing/architecture

AWS releases new instance types on a regular basis. Organizations can migrate to new instances without having to incur the technical debt of the older compute systems.

Potential benefits of EHR on AWS go beyond speed and cost.

Sample estimate for a new EHR implementation*

Total cost of ownership Over five years

Speed to market To stand up infrastructure and environments

AWS

\$3.3M

(70 percent lower)

<1

week

(94 percent faster)

Contact the EHR on AWS team

Eric Foote

Managing Director Health Care Cloud Engineering +1 313 657 1799

ericfoote@deloitte.com

Joe Milando

HCLS Cloud Sales Executive, +1 617 485 4358

jmilando@deloitte.com

Suraj Ramdeo

Senior Manager Healthcare Cloud Engineering +1 954 655 8954 sramdeo@deloitte.com

Marc Perlman

Managing Director Digital CARE +1 678 772 1234 mperlman@deloitte.com

*TCO model was built for a client considering implementation of EHR. On-premises costs were provided by client's IT staff based on the EHR vendor hardware configuration specifications. AWS Capacity was estimated based on the

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