

# Emory IT Architecture

## RHEDcloud Project Proposal and Materials

Emory University and Emory Healthcare are working with a number of partners to initiate the RHEDcloud project, an open source project to collaborate on cloud security requirements and implementations for Amazon Web Services, Google Cloud, and Microsoft Azure.

<http://www.rhedcloud.org>

## Quick Links

Quick links point to resources of active or important IT Architecture projects. Listing these here makes it easy to say, "go to arch dot IT dot emory dot edu and there is a quick link to what you are looking for."

| Category                                       | Links   |
|--|---|
| DevOps   | <a href="#">Emory IT Architecture DevOps</a>  |
| Request Help                                   | <a href="#">Request Help from IT Architecture and Preferred Mobile, Web, and Cloud Consultants</a>  |
| SMART on FHIR                                  | <a href="#">SMART on FHIR at Emory</a>  |
| Amazon Web Services                            | <a href="#">Emory AWS Research Service Draft Paper</a>   <a href="#">Emory AWS Research Service Demos</a>   <a href="#">AWS Focus Group Docs</a>   <a href="#">AWS Service Security Risk Assessments</a>   <a href="#">Emory AWS Login</a>  |
| Mobile Apps                                    | <a href="#">Emory Mobile App Dashboard</a>   <a href="#">Mobile App's Requesting Access to Emory Data</a>   <a href="#">Emory Mobile App Development</a>   <a href="#">Emory Mobile App AuthN Project</a>   <a href="#">Mobile Application Review and Distribution Processes</a>   <a href="#">Emory Internal Mobile App Catalog</a>  |
| Service-Oriented and Event-Driven Architecture | <a href="#">SOA, EDA, FHIR Service Dashboard</a>   <a href="#">SOA, EDA, and FHIR Service Access Request Dashboard</a>   <a href="#">SOA, EDA, FHIR Governance and Access Processes</a>   <a href="#">EAI &amp; SOA Overview</a>   <a href="#">OpenEAI Training Docs</a>   <a href="#">OpenEAI Toolkit User Guide</a>   <a href="#">Emory GWT Web App Frameworks</a>   <a href="#">OpenEAI Project</a>   <a href="#">Emory Web Service Registry</a>   <a href="#">Registering Services in the Emory Web Service Registry</a>   <a href="#">BioCatalogue Project</a> |
| HL7 and DICOM Integrations                     | <a href="#">HL7 and DICOM Integration at Emory</a>   <a href="#">DCM4CHE Project</a>  |
| Blockchain                                     | <a href="#">Potential Emory Blockchain Use Cases</a>  |
| Other IT Architecture Links                    | <a href="#">Emory University Architecture Review Team</a>   <a href="#">Integration Advisory Team</a>   <a href="#">Emory Application and Integration Development Standards</a>   <a href="#">IT Architecture Training</a>  |
| Internal Links                                 | <a href="#">Description of the IT Architecture Atlassian Platform</a>   <a href="#">IT Architecture Jira, Wiki, Bitbucket, etc.</a>   |
| IT Architecture Vendors                        | <a href="#">Surge, LLC</a>   <a href="#">Make &amp; Build</a>   <a href="#">Relish Marketing</a>   <a href="#">Irene Yan</a>   <a href="#">George Wang</a>  |
| JMS Send App Links                             | <a href="#">DEV, TEST, and STAGE</a> Environments   <a href="#">PROD</a> Environment  |

## Contact

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[http://it.emory.edu/about\\_us/architecture](http://it.emory.edu/about_us/architecture)

<http://www.linkedin.com/in/stevewheat/>

## Upcoming Events

| Date            | Title                               | Details                   |
|-----------------|-------------------------------------|---------------------------|
| January 5, 2018 | Emory AWS Research Service Offering | Presentation to be posted |

|                  |                           |                           |
|------------------|---------------------------|---------------------------|
| January 19, 2018 | Emory Mobile App Strategy | Presentation to be posted |
|------------------|---------------------------|---------------------------|

## Past Events

| Date                  | Title   | Details   |
|-----------------------|---|---|
| September 1, 2017     | Emory IT Architecture Priorities for FY 2018  | <a href="#">View Presentation and Transcript</a>      |
| June 21, 2017         | Emory Mobile App Strategy Presentation  | <a href="#">Read the paper</a>                        |
| February 23, 2016     | TAG Connected Content: Health App Summit  | <a href="#">Details</a>                               |
| August 10, 2015       | Gartner Catalyst Presentation on Emory Mobile App Strategies  | <a href="#">Details</a>                               |
| September 14-16, 2015 | EAI/SOA Administration Training   |   |
| July 30, 2015         | Mobile App Platform Discussion: Modolabs  |   |
| July 20, 2015         | Part 2: Emory Mobile App Catalog Background and Administration Training   |   |
| July 13, 2015         | Part 1: Emory Mobile App Catalog Background and Administration Training   | <a href="#">View the slide presentation</a>           |
| June 29, 2015         | Emory Mobile App Catalog Overview Presentation and Webinar  | <a href="#">View the recorded webinar on demand</a>   |
| May 20, 2015          | ICCC CIO Meeting: SOA in the Cloud  |   |
| April 15, 2015        | Video Interview: Mobile App Management Takes Center Stage in the Enterprise<br>Chris Silva, Research Director, Gartner Group<br>Steve Wheat | <a href="#">View the recorded interview on demand</a> |
| March 11, 2015        | Boston Higher Ed Mobile App Meetup  | <a href="#">Details</a>                               |

## Emory Information Technology Mission Statement

As a key enabling function, the mission of Information Technology is to create and sustain a **seamless, agile, innovative** and **efficient** information technology environment that advances the **educational, clinical** and **research** activities and aspirations of Emory, across its academic and healthcare components. For more information on LITS [visit the LITS web site](#).

## IT Architecture Charge

The role of the Office of the Chief Information Technology Architect was designed to coordinate and lead information technology architecture initiatives across Emory University and Emory Healthcare in emerging areas. The Chief IT Architect and IT Architecture Group work with units across the Emory enterprise as well as Emory's application vendors and partners to maintain a list of IT architecture standards and guidelines in use at Emory. Where standards do not exist, the team works with appropriate units to identify the current practices and target new standards and guidelines for the future. The IT Architecture Group works closely with groups spearheading new technology and standards to help operationalize and document new technology and practices in their initial phases of adoption.

## IT Architecture Activities

1. Provide leadership and assistance in the application and implementation of IT frameworks
2. Work with Emory units to identify IT architecture and infrastructure needs collaboratively
3. Review projects for compliance and conformance with established IT architectures
4. Assist other units in using and adopting new IT infrastructure through training, documentation, seminars, and other services
5. Collaborate with partners and vendors of Emory to help them use and access Emory IT infrastructure or to develop new technologies and infrastructure to meet joint objectives
6. Set an example of excellence, dedication, and professionalism that is acknowledged both within Emory and beyond

## Priorities (Past and Present)

- [IT Architecture priorities](#) and status by fiscal year
- [IT Architecture non-prioritized](#) work by fiscal year.

## Annual Reports

- [2015-2016 Annual Report](#) (latest report)
- [2014-2015 Annual Report](#)
- [2013-2014 Annual Report](#)
- [2012-2013 Annual Report](#)
- [2011-2012 Annual Report](#)
- [2010-2011 Annual Report](#)

## Major Initiatives (FY 2019)

View presentation and transcript on FY 2019 priorities (coming soon)

| Name  | Status      | Scheduled Completion | Adjusted Completion |
|---|-------------|----------------------|---------------------|
| AWS at Emory Launch, Support, and Improvements <ul style="list-style-type: none"> <li>• Network certification testing</li> <li>• Integration testing</li> <li>• Integration test automation</li> <li>• Develop and test additional security measures</li> <li>• Bug fixes</li> <li>• Enhancements</li> </ul>  | in progress | Spring 2019          |                     |
| Participate in the Cloud Infrastructure Migration Project <ul style="list-style-type: none"> <li>• Executive review group</li> <li>• Tod Jackson is participating in the project team</li> </ul>  | in progress | Spring 2019          |                     |
| Improvements and Marketing of Preferred Web, Mobile, Cloud Application Development Vendor Program <ul style="list-style-type: none"> <li>• FY 2018 - 32 SOWs - \$1.2 million spend - 2 vendors</li> <li>• FY 2019 - Identify FHIR/Cerner/Epic expert vendor(s)</li> <li>• Promote and inform the Emory Community</li> <li>• Train a broader group in contracting practices</li> </ul>   | in progress | ongoing              |                     |
| IT Architecture Rotation Program <ul style="list-style-type: none"> <li>• SOA/EDA</li> <li>• AWS at Emory</li> </ul>  | in progress | ongoing              |                     |
| Emory Patient Data API Gateway Phase II <ul style="list-style-type: none"> <li>• Establish and document meaningful environments for Cerner Ignite</li> <li>• Implement FHIR resource mapping proof-of-concept with Datica</li> <li>• New SOA/EDA architecture and foundation</li> <li>• FHIR service architecture for authentication and authorization</li> <li>• SMART on FHIR architecture for embedding apps in patient workflows</li> </ul> | in progress | Winter 2019          |                     |
| SOA, EDA, and FHIR Governance <ul style="list-style-type: none"> <li>• Complete service inventory an metadata</li> <li>• Complete integration of EHC FHIR Advisory Group</li> <li>• Propose specific policies</li> </ul>  | in progress | Fall 2019            |                     |

## Services and Functions

- Cloud Architecture and Implementation Consulting
- [Public Mobile App Distribution](#)
- [Internal Mobile App Distribution Assistance](#) (in support of UIT customer-facing support)
- [Mobile App Development](#)
- [Mobile App Governance](#)
- Software Development, Support, and Consulting

- [Page MTP Support Workpage](#) [Thomas Cervenka](#) (yesterday at 10:18 AM)
- [PNG File image2019-10-17\\_9-13-40.png](#)
- [Multimedia File MTP-Shortcut-android.mp4](#) [Thomas Cervenka](#) (yesterday at 10:13 AM)
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- [Multimedia File MTP-Shortcut-ios.mp4](#) [Tod Jackson](#) (Oct 15, 2019)

- [Page Apple App Store Submission - HealthMindr](#)
- [Page Public App Approval Details - AMoSS](#) [Santiago Tovar Diaz](#) (Oct 09, 2019)
- [PNG File IMG3 1242x2208.png](#) [Marc Overcash](#) (Oct 04, 2019)
- [PNG File IMG2 1242x2208.png](#) [Santiago Tovar Diaz](#) (Oct 04, 2019)
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- [PNG File IMG 3 1242x2688.png](#) [Santiago Tovar Diaz](#) (Oct 04, 2019)
- [PNG File IMG 2 1242x2688.png](#) [Santiago Tovar Diaz](#) (Oct 04, 2019)
- [PNG File IMG 1 1242x2688.png](#) [Santiago Tovar Diaz](#) (Oct 04, 2019)
- [PNG File HealthMindr App Icon.png](#) [Santiago Tovar Diaz](#) (Oct 04, 2019)
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- [Page Mobile Application Review and Approval Dashboard](#)
- [Page Public App Approval Details - Emory AWAIT](#) [Marc Nuar](#) (Sep 30, 2019)
- [JPEG File HealthMindr FG 2.jpg](#) [Marc Nuar](#) (Sep 30, 2019)
- [JPEG File Timeline Month 9.jpg](#) [Santiago Tovar Diaz](#) (Sep 27, 2019)
- [JPEG File Timeline Screenshot.jpg](#) [Santiago Tovar Diaz](#) (Sep 25, 2019)
- [JPEG File Timeline Screenshot.jpg](#) [Santiago Tovar Diaz](#) (Sep 19, 2019)