How MD Anderson Cancer Center Uses Splunk to Deliver World-Class Healthcare

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splunk>

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Making Cancer History



Guadalupe Gonzalez - 1930-2007



Agenda - Improving the Patient Experience



Business Drivers & Strategy

- Milestones & Landscape
- Road to the Patient Experience
- Leveraging Splunk with Electronic Health Record
- 4 Steps to Build Upon

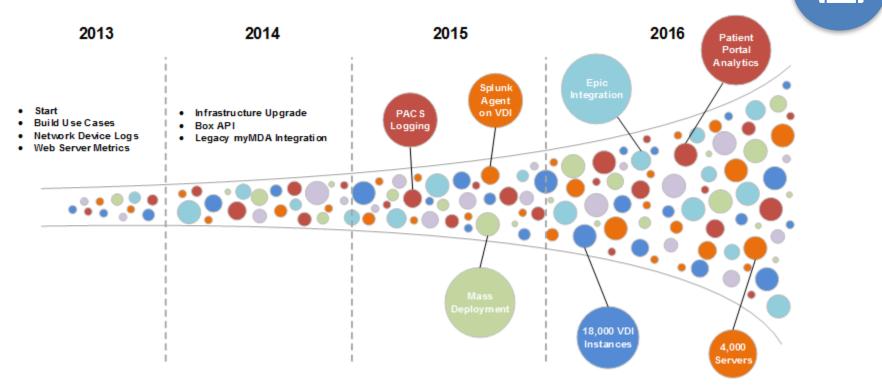


Technical Approach & Results

- Patient Experience with Splunk
- myMDAnderson with Splunk
- IT Ops at Scale
- Future Splunk Healthcare Initiatives



Milestones & Landscape





Road to the Patient Experience

Use Cases

- Small Wins
- IT Operations Solutions

Patient Portal

230,000 Patients

Electronic Health Record

Multi-million dollar project





Leveraging Splunk with EHR



Before



- Log data locked up in silos
- No broad application insights
- Rigid logging schemas
- Inflexible alerting features
- Limited real time analysis

After



- New myMDA, myChart & legacy logging
- Splunk as HIPAA solution
- Broader real time patient tracking
- EHR system wide logging
- 18,000 VDI instances logging
- Application & System real time analysis







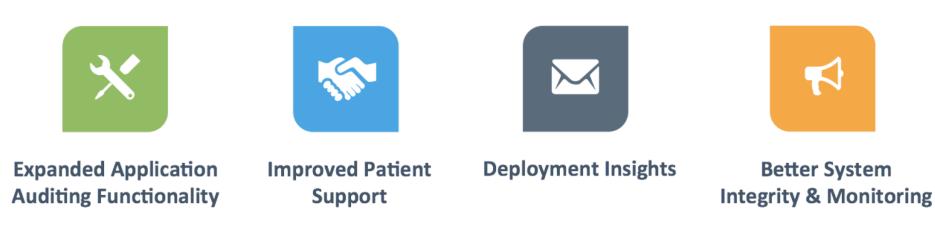
Technical Approach & Results



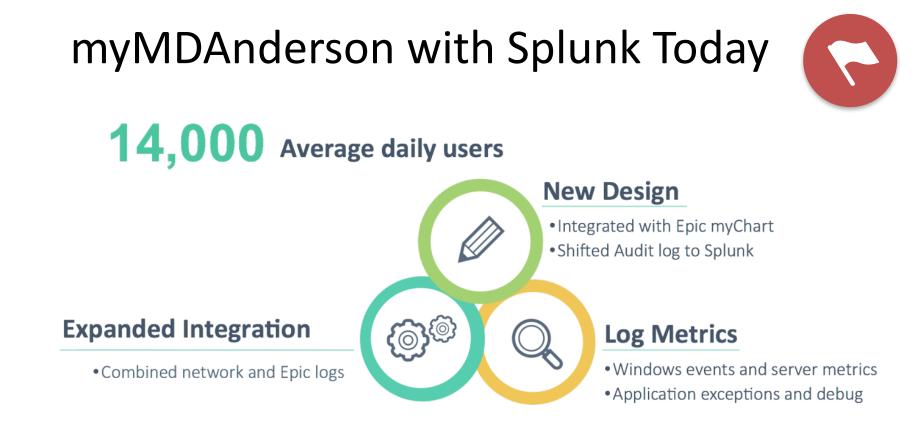


Patient Experience with Splunk



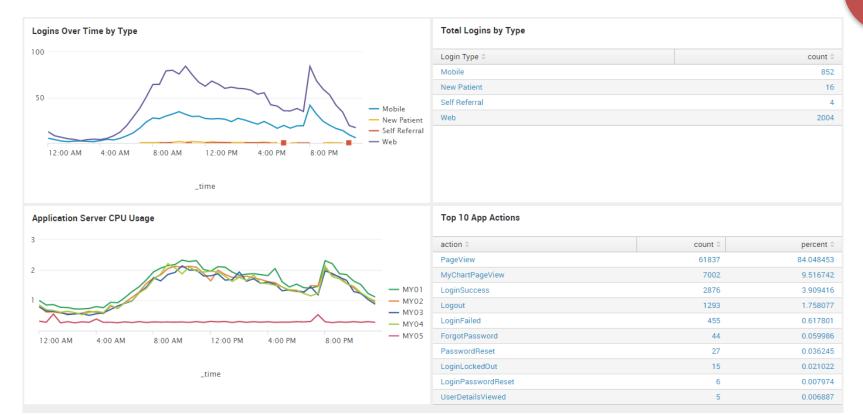








myMDAnderson Patient Activity





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Splunk EHR Footprint

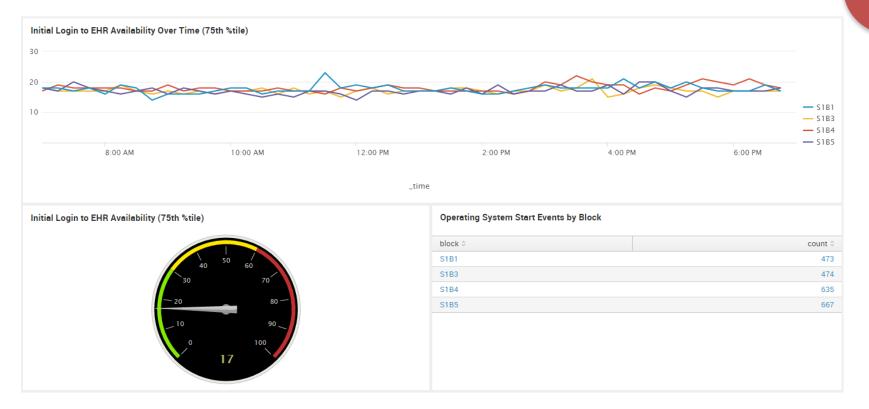








IT Ops at Scale - Virtual Desktops





Future Splunk Healthcare Initiatives









Patient Billing footprint



Architecture upgrades



RFID Integration



Splunk for Mobile Applications



Big Data – Vital Signs



Business Transaction Analytics



IT Operations – Service Desk



Conclusion - Patient Experience with Splunk







THANK YOU



