



Altera Context

TouchWorks® EHR Client Webinar

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April 2023

Agenda

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01 Current Clinical Challenges

02 Key Features/Benefits

03 Altera Context History

04 Architecture/Components

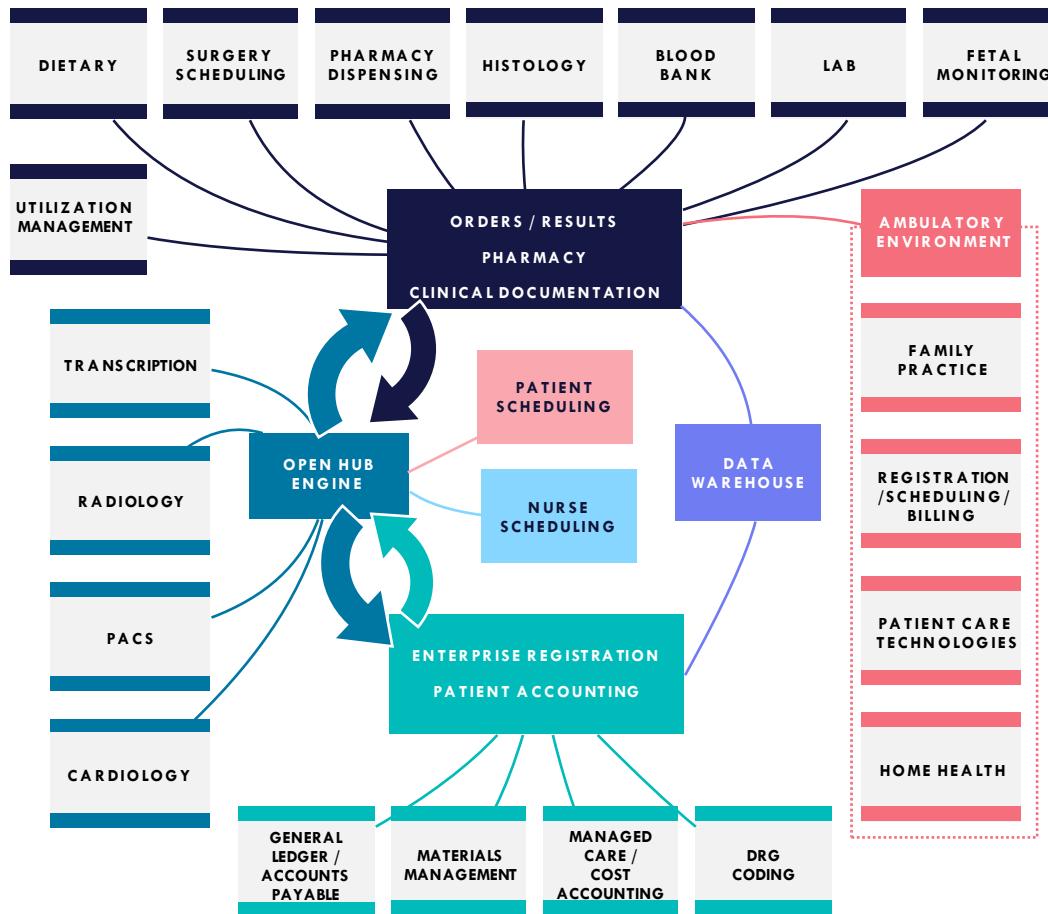
05 Roadmap

06 Demo

07 Questions

Healthcare challenges

- Integrate disparate applications
- Streamline the clinical workflow
- Enable clinicians to access all data
- Reduce the time it takes clinicians to access applications and patient data
- Reduce costs
- Improve patient safety
- Decrease liability





"total mouse clicks approach 4,000 during a busy 10-hour shift" -

Death By 1,000 Clicks: Where Electronic Health Records Went Wrong

The U.S. government claimed that turning American medical charts into electronic health records would make health care better, safer and cheaper. Ten years and \$36 billion later, the system is a mess. Inside a digital revolution that took a bad turn.

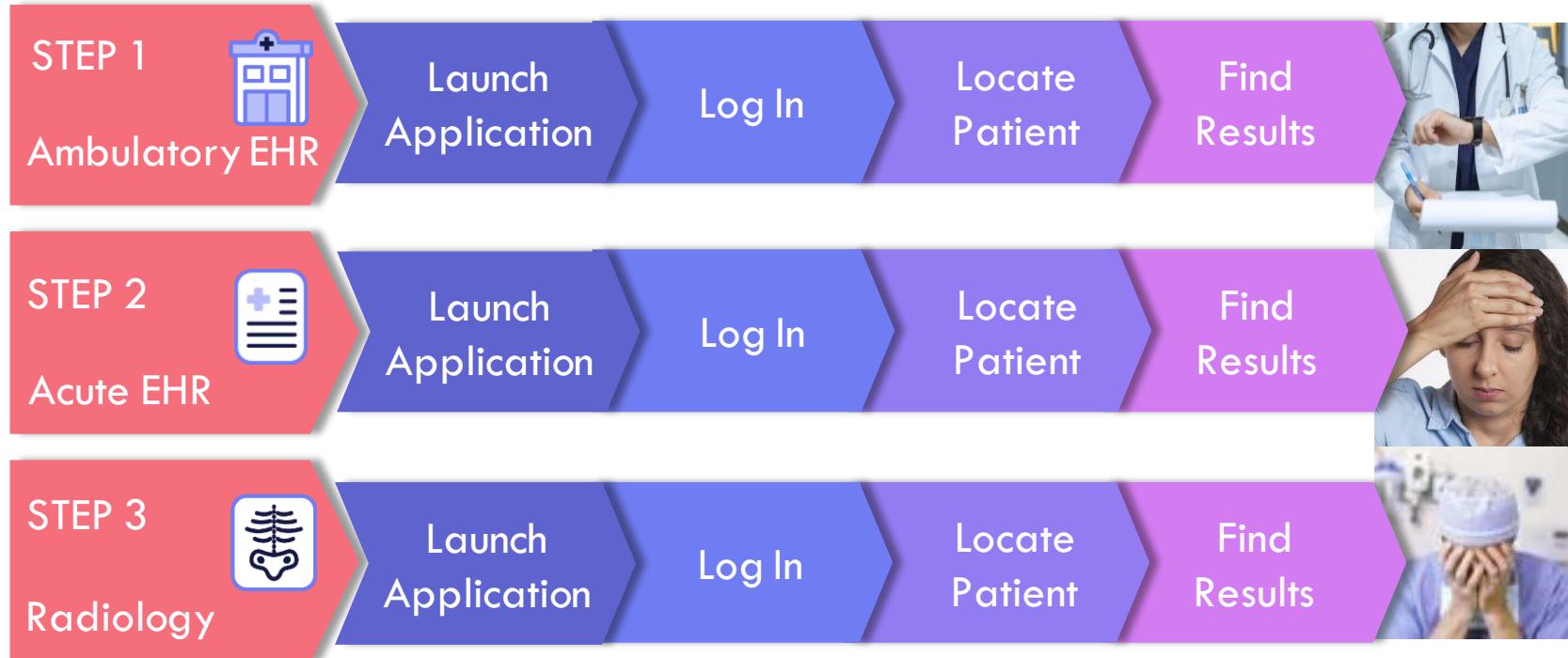
62 clicks to order Tylenol? What happens when EHR tweaks go bad

4000 Clicks: a productivity analysis of electronic medical records in a community hospital ED

EHRs continue to require far too many mouse clicks and pagination to enter data during a visit, diverting attention from patients – something that's key to not only creating a relationship but getting a complete

How Reducing EMR Clicks Empowers Physicians

Technology's "Drag" on medicine



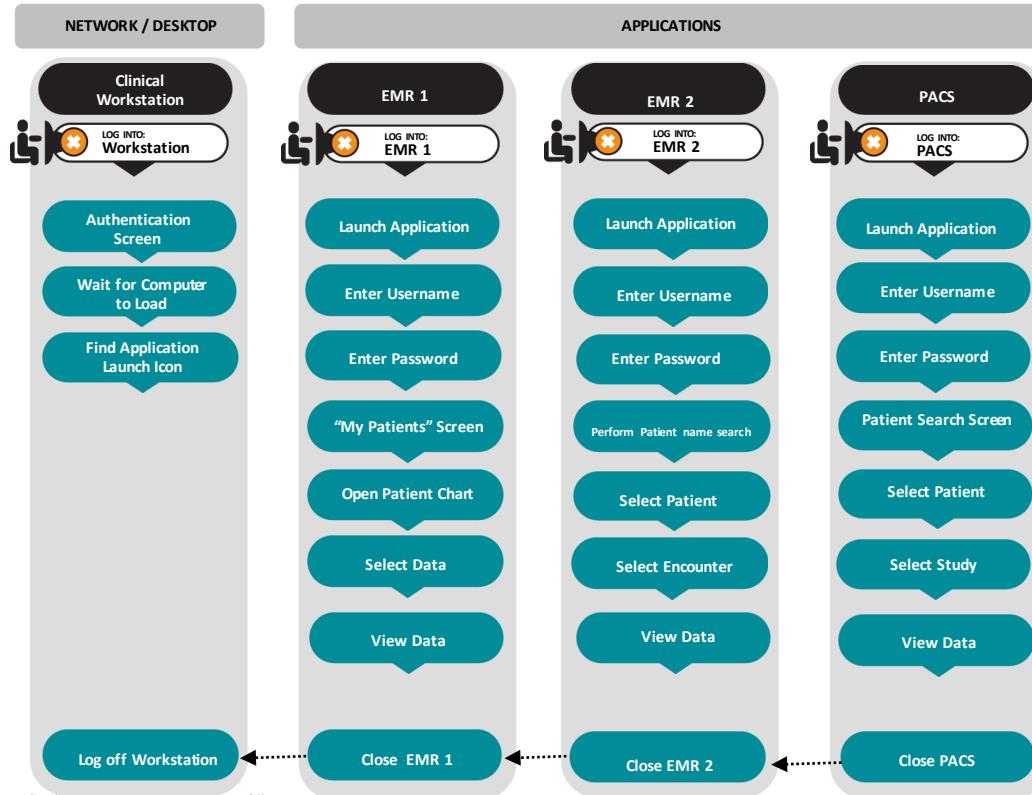
AND SO ON...

Before Context Management – Clinician workflow

Physician makes treatment decisions after reviewing patients' data

Current workflow:
> 20 steps

to review one patient's clinical data in three clinical applications



The Solution: Altera Context



What is Context Management?

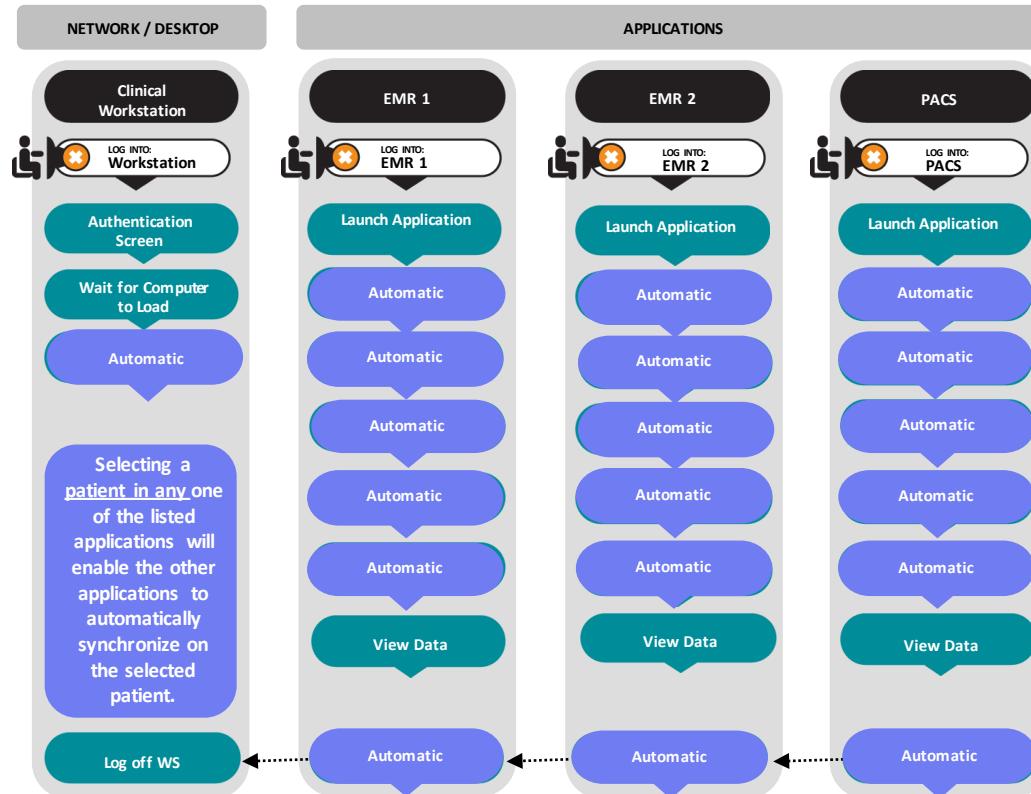
Linking disparate applications so they operate in a unified and cohesive way that reduces user fatigue and improves patient safety.



Automating the workflow With Context Management

Physician makes treatment decisions after reviewing patients' data

Automated workflow:
>15 steps eliminated
to review one patient's clinical data



With Context Management

Intuitive and rapid access to patient data, streamlining patient selection and workflow.

The HL7 CCOW standard-based technology automates access to patient-centric information across disparate applications.

Clinicians select a patient in one application and with Altera Context, the other applications automatically “tune” to that same patient.

Altera Context leverages existing systems while improving how clinicians interact with them by providing a coordinated, cognitive view of patient data.



Clinicians benefit from Context Management



Seamless Interoperability
between applications



Synchronized patient data enables
timely clinical decisions



Reduce Physical Interaction
Costs (PIC) and Mental
Interaction Costs (MIC)



Assurance that CCOW-
enabled applications are
open to the same patient



Improvement in clinician
productivity



Time savings for heavily
burdened clinicians



Faster access to
relevant data

Use cases



Applications

- Vendor-neutral
- Web, fat client, Citrix published
- As few as two or as many as meets the clinicians' workflow needs
- Synchronize context
- Enhance clinician workflow



Application Launch Types

- Launching applications from Altera Context Controller
- VDI Deployment
- Mix of Citrix-published Applications and Local Applications
- Exclusively Citrix-published Applications



Typical Deployments

- Enterprise-wide (Ambulatory and Acute)
- Hospital
- Clinics
- Radiology
- Scheduling
- Emergency Department

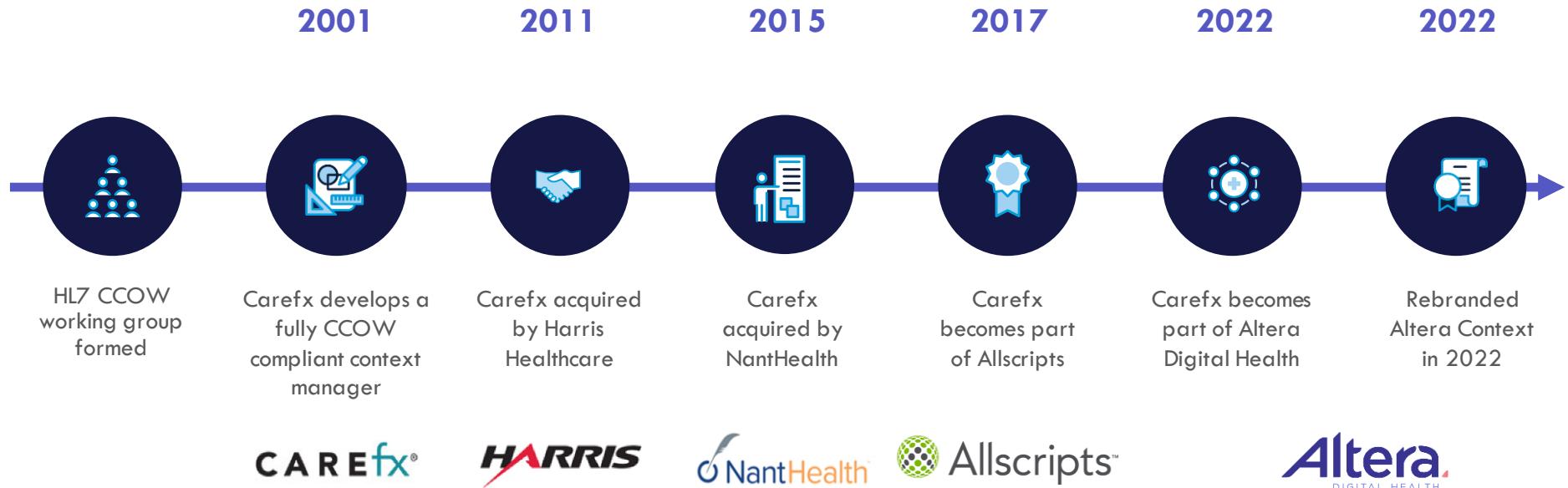
Process to deploy Altera Context



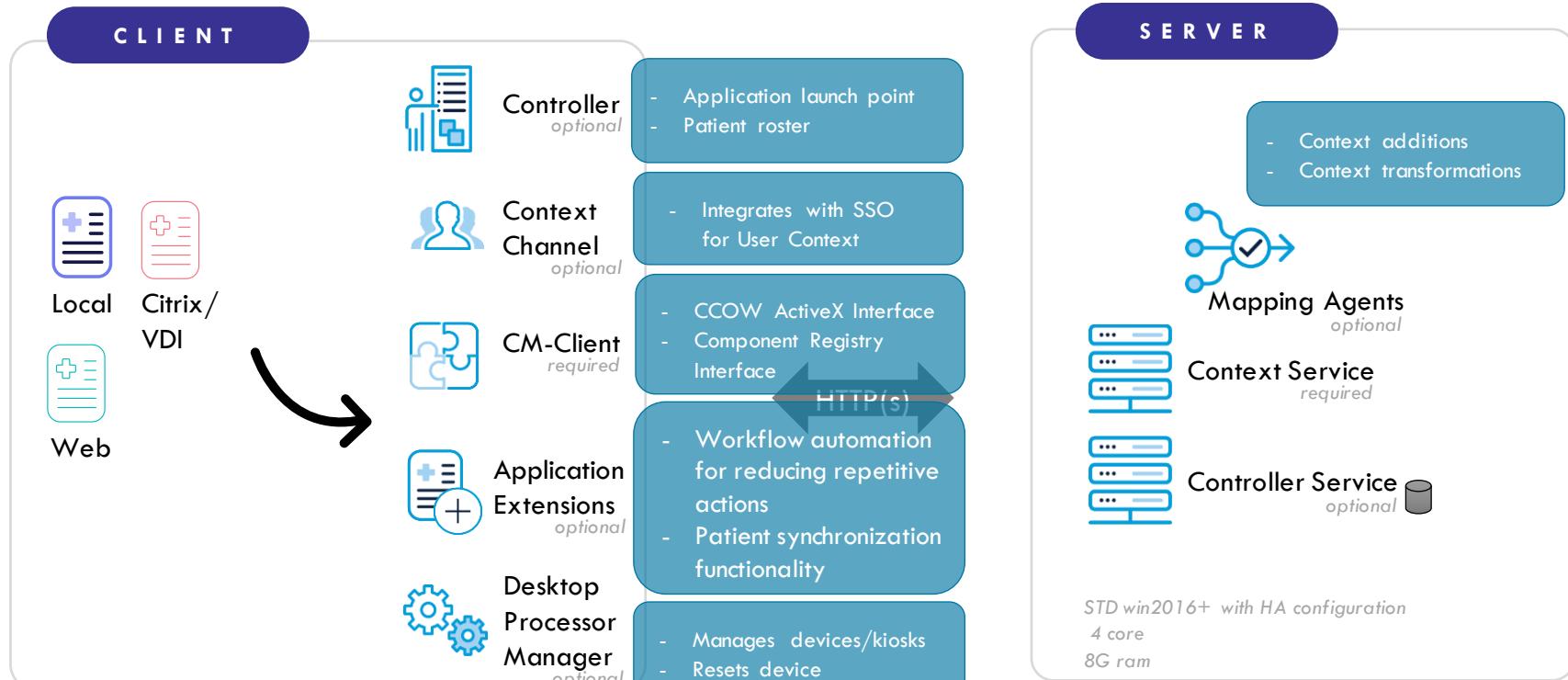
1. Evaluate Clinical Applications
 - Which applications are generally used at the same time by clinicians?
 - Which workflows can be streamlined by Altera Context?
2. Altera Context Servers
 - Virtual or physical
 - On-premise or in the cloud
3. Altera Writes Application Extensions for the Clinical Applications
4. Altera Builds Installation Packages
5. Deployment
 - “Big Bang”
 - Phased roll out

Solution Overview

Altera Context solution history



Altera Context architecture



Application extensions

- Enhance an application to improve clinician workflows and/or provide patient synchronization with other applications.
- Eliminate repetitive actions
- Simplify clinician workflows
- Patient synchronization
- Automate custom steps
- Return to landing pages or home screen
- Launch or shuts down the application
- Close windows
- Handles unsaved data conditions
- Manage messages, menus, pop-ups and other triggers

Controller toolbar

- Provides a clinician with immediate access to applications and a roster of recently viewed patients.

- Standardized application launch point
- Context aware applications
- Provisioned applications
- Ability to dock toolbar
- Application control (launching, focus and termination)
- List of recently viewed patients

Altera Context product roadmap



Application Services

- Simplified deployments for Azure and On-prem
- On-demand scalability
- Performance metrics



Controller

- Service APIs
- Look and feel updates



Administration Console

- Add performance metrics
- Add utilization metrics



FHIRcast

- Investigate integration

Demo

Q&A



ASCENDING TO NEW HEIGHTS IN HEALTHCARE