

2020 ONC FAST Workshop



ONC FHIR at Scale Taskforce (FAST) Workshop: An Architectural Framework for Ecosystem Infrastructure

Monday, September 14, 2020; 08:30 AM EDT – 5:00 PM ET

[Event is in the Past](#)

Thank you for your interest in the [FHIR at Scale Taskforce \(FAST\)](#) initiative full day workshop titled: “FAST, An Architectural Framework for Ecosystem Infrastructure”.

Having developed and [proposed solutions](#) to address [technical infrastructure challenges](#) associated with deploying FHIR solutions “at scale”, the FAST community now seeks to explore and solicit feedback on both the architectural considerations and pathways to implementation for each of these solutions.

The FAST Initiative recognizes that ongoing collaboration and coordination with industry leading efforts and a broader group of industry stakeholders is key to understanding industry challenges and successes, ensuring an accurate industry wide gap analysis, maintaining awareness of new developments, and avoiding duplication of efforts. To that end, this workshop will support The FAST Initiative's goal to maintain transparency and communication, while welcoming industry feedback that can inform our collective efforts and approaches.

FAST Resources

The workshop breakout sessions target interactive discussion and references the FAST work to date.

To get the best experience out of the breakout sessions participation, [please consider exploring any of the following FAST artifacts before attending these sessions.](#)

- [The FAST 2020 Mid-Year Report](#)
- [The FAST 2019 End of Year Report](#)
- Visit the [SME Panel Session Pages](#) , review linked pre-meeting background materials and meeting materials for a quick getting up to speed with the FAST proposed solutions.

For more details visit the [FAST Official Confluence Site Main Page](#) .

FAST Workshop Summary and Detailed Agenda

Time /Room	Session Description or Agenda	Session Goals	Materials /Handouts
8:30am – 10:00am	Morning Plenary (public, all attendees) • What is FAST? ◦ What is FAST? ◦ FAST Structure & Mission ◦ FAST & Other FHIR Collaboratives • APIs, FHIR & FAST ◦ APIs ◦ FHIR in the Health Care Ecosystem ◦ Importance of the Ecosystem Infrastructure and the FAST model • FAST Solutions Summary • FAST Conceptual Architecture • Learn More & Get Involved with FAST	Provide an overview and inform of the FAST Initiative structure, mission and progress to date. Setting up the stage for the breakout sessions. If you are new to FAST this session will provide the base understanding of the taskforce work to date.	FAST Workshop Opening Plenary
10:00am – 10:10pm	Morning Break		

12:00pm – 1:00pm	Lunch Break		
1:00pm – 2:30pm			
<u>Room #1:</u> Lead Facilitator(s):	This session will explore the possible paths forward for the <i>FAST</i> proposed standards. We will examine the potential for inclusion in existing standards as well as the need to create new standards to support an infrastructure that enables FHIR workflows to scale. The discussion will take into consideration the short versus long term goals and the timing considerations inherent in extending current standards or developing new standards. We plan to have a dynamic conversation led by the <i>FAST</i> team with contributing input from SDOs and other industry experts. We invite all attendees to contribute or ask questions provide feedback in the chat box	1. Discuss why the <i>FAST</i> community proposes that standards are key 2. Discuss and propose where the <i>FAST</i> standards should reside long term	FAST Workshop Breakout Session: Standards Recording of Breakout Session
<u>Room #2:</u> Lead Facilitator(s):	Along with the technical barriers to FHIR based solution scalability, the <i>FAST</i> Initiative identified a series of regulatory requirements that may present challenges or have implications for FHIR adoption. We will discuss opportunities to mitigate challenges under existing regulation that may impact the utilization of FHIR standards. The participants in this track will review the implications of recent regulations that have mandated the adoption of FHIR. Finally, we will focus on the opportunity to explore policy concepts and considerations that could facilitate the use of the FHIR based solutions at scale. Join us for a session where <i>FAST</i> members and an expert reaction panel will discuss the policy and regulatory aspects that could support the <i>FAST</i> ecosystem infrastructure to scale and accelerate the FHIR standard adoption.	1. Consider the current regulatory landscape and how it presents opportunities or challenges related to each of the proposed solutions. 2. Explore policy concepts and considerations that would allow for transparent and predictable update cycles in response to industry need. 3. Discuss ways to mitigate impact of understanding and implementing regulatory requirements for smaller organizations.	FAST Workshop Breakout Session: Policy /Regulations Recording of Breakout Session
<u>Room #3:</u> Lead Facilitator(s):	<i>FAST</i> leadership identified the need for a process component to the <i>FAST</i> solution development and deployment cycle that will support moving the solution from conceptual to implementations. We will focus on the need for sustainable process to enable the deployment and support the ongoing requirement for the adoption of FHIR at scale. The session will specifically focus on governance, operation and evolution of FHIR infrastructure. Come and explore with us other potential steps to solution implementation, that will allow the <i>FAST</i> ecosystem infrastructure to support FHIR at scale.	1. Explore process related elements for implementation of FHIR-enabled interoperability at scale (e.g. process related governance, funding, and operational considerations, etc.) 2. Identify key things necessary to deploy solutions in a sustainable manner. 3. Explore limitations and opportunities to convene related groups that need to avoid any implication of anti-trust.	FAST Workshop Breakout Session: Process
2:30pm – 3:00pm	Afternoon Break		
3:00pm- 4:00pm			
<u>Room #1:</u> Lead Facilitator(s):	Implementation or deployment for some of the <i>FAST</i> proposed solutions may take longer than (in some cases) is needed based on the federal laws and regulations requirements (i.e. the ONC and CMS Final Interoperability Rules under the 21st Century Cures Act). This breakout session aims to highlight timing considerations associated with the <i>FAST</i> solutions and explore what interim steps and solutions can be pursued to address the gaps between mandates, solution deployment timelines and industry readiness.	1. Capture feedback on interim plans for endpoint directories. 2. Explore options for interim security solutions above and beyond what already exists – what do we need for 2021? 3. Capture any concerns regarding recommended metadata approach. 4. Discuss implementation planning and timelines to prepare for Testing & Certification (above and beyond HL7 tooling, and what's available in the industry to use voluntarily).	FAST Workshop Breakout Session: Timing Considerations/Interim Steps Recording of Breakout Session

<u>Room #2:</u> Lead Facilitator(s):	As the industry is building functional capabilities to support real-time information exchange, in a variety of FHIR workflows (i.e. to address clinical care, clinical data integration, etc.), FAST is working on the technical infrastructural aspects that would support these workflows be run at scale. Demonstrations to test the Da Vinci functional capabilities have been successfully tested over the last several years. However, testing and validating how the FAST solutions will impact /improve the deployment of those functional solutions at scale is still a process that needs to be established. Building on the variety of functional aspects that would benefit from a scalability infrastructure, the FAST Pilots team along with an industry expert reaction panel will explore how it is best align the industry needs, with the existent capabilities and the potential of a scaling infrastructure, in a pilot testing environment.	1. Explain and reiterate what we are seeking to pilot from a FAST perspective (test FAST core capabilities with Da Vinci use cases initially provided as the workflow). 2. Discuss if the model of using Da Vinci use cases makes sense: a. Solicit feedback on the technical approach using Da Vinci use cases. b. Explore benefits of initially using Da Vinci. c. Verify the assumption that the best way to solve a problem is to leverage trust that already exists. 3. Explore interest for potential future pilots' partners.	FAST Workshop Breakout Session: FAST Pilots Recording of Breakout Session
<u>Room #3:</u> Lead Facilitator(s):	A scalable ecosystem infrastructure requires standards, process, and regulation to be addressed and aligned. By working collaboratively with industry solutions that currently exist or are in development, FAST can leverage these building blocks to make more rapid progress towards the final goal of supporting the industry need for a scalable architecture for FHIR based exchanges. This session will focus on the current state of intermediary support of RESTful FHIR exchanges, scalability of the solutions, and the need for industry wide coordination. We will specifically focus on any intermediary – intermediary issues that would impact the ability to provide the same real-time services that are available in direct connections between exchange partners. We are anticipating a lively discussion on the role of intermediaries in supporting scalability of FHIR based solutions	1. Identify intermediary requirements for RESTful FHIR exchanges. 2. Identify intermediary-intermediary exchange requirements. 3. Define service level required for intermediaries to meet (1) and (2).	FAST Works hop Breakout Session: Intermediary Discussion Recording of Breakout Session
4:00pm – 4:15pm	Break		
4:15pm – 5:00pm	Closing Plenary (<i>public, all attendees</i>)		
	• Key Takeaways from morning and afternoon breakouts • The FAST Action Plan • Immediate next steps • Closing remarks		<i>Coming Soon</i> Recording of Closing Plenary

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