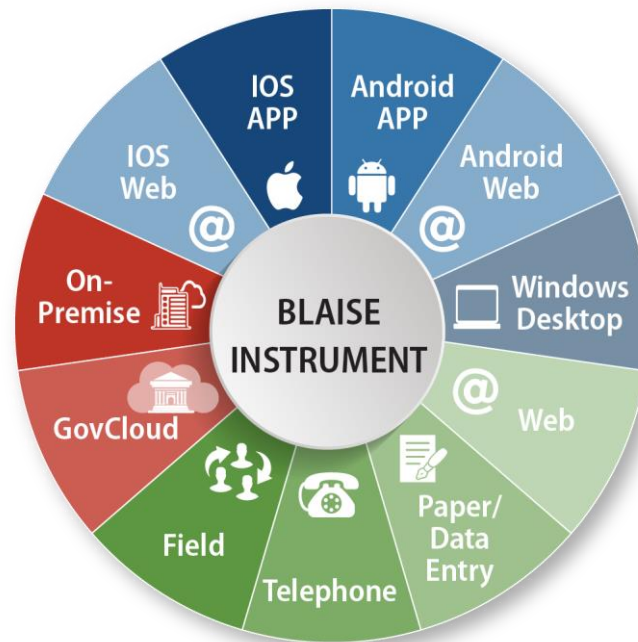


Rolling Out Blaise 5

An Interesting Journey

R. Suresh, RTI International
IBUC 2018

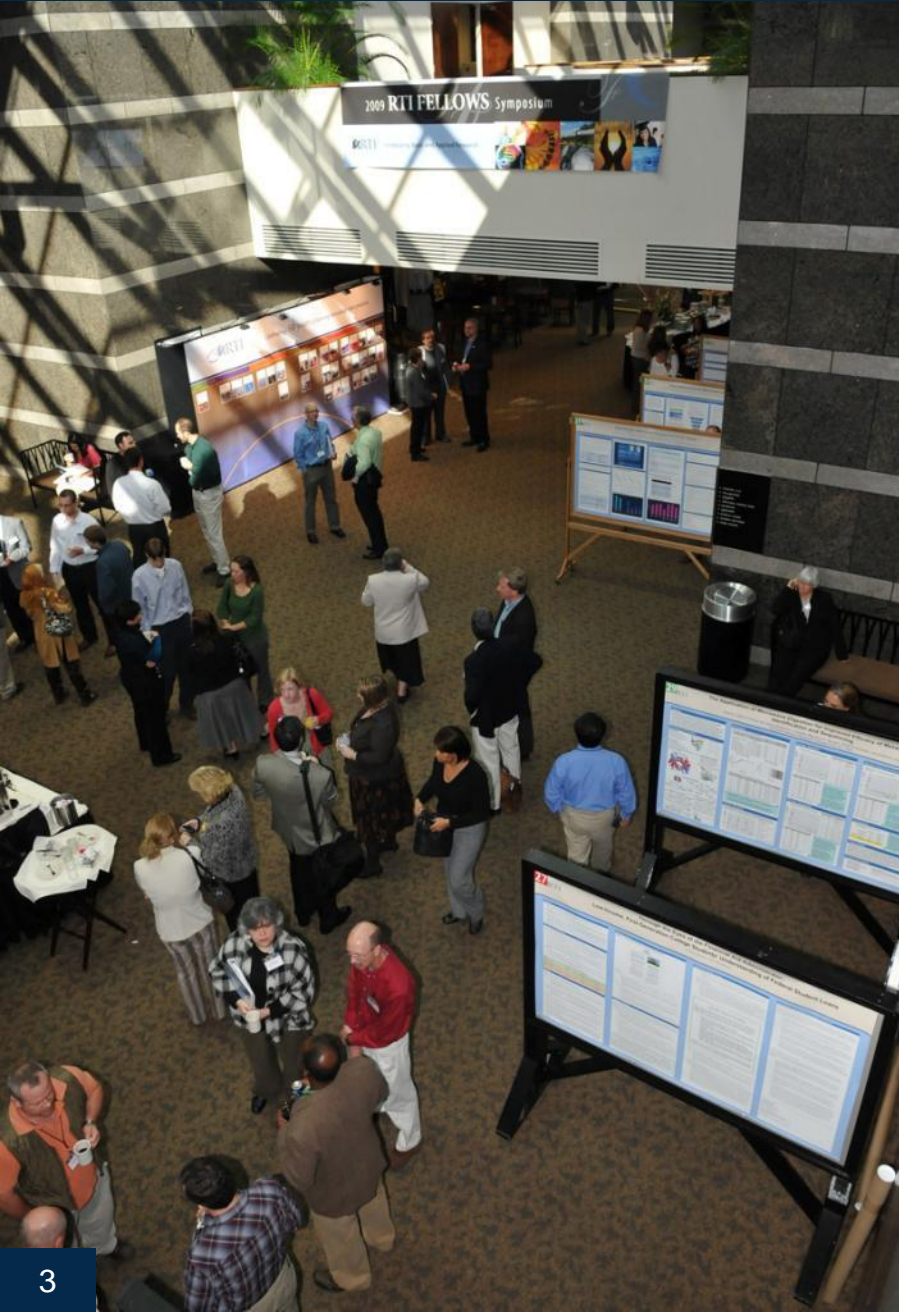


Outline

- Evaluation Team
- Key Features and Requirements
- Look and Feel
- Blaise Server
- Windows and Web Versions
- Android App Version
- Features that need additional review/tweaks/testing
- Features we are waiting for
- Next Steps
- Conclusion



Evaluation Team



- Keith Bajura
- Matt Boyce
- Emily Caron
- Lilia Filippenko
- Preethi Jayaram
- Patty LeBaron
- Joe Nofziger
- Jean Robinson
- Gil Rodriguez
- R. Suresh
- Vorapranee Wickelgren

Key Features and Requirements

- Questionnaire Features
- Compatible with Blaise 4 source code
- Program once, deploy in all modes/devices
- Good user experience
- Easy deployment
- Cloud support
- Calling external applications
- ACASI and CARI
- GPS and other sensors
- Audit trail
- Integrate with RTI's CMSs

	Radio	Image	Grid	Slider	Length y R.O.
Desktop Browser	✓	✓	✓	✗	✓
Mobile Browser	✓	✓	✓	✓	✓
Apps Portrait	✓	✓	✗	✗	✓
Apps Landscape	✓	✓	✓	✓	✓

How sure are you that, if you really wanted to, you could say no to smokeless tobacco if...

A very close friend offers it?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A family member offers it?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
You are at a party where most people are using it?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Someone you know offers it?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Look and Feel

- RTI default template started with the template provided and adjusted colors, fonts, etc.
- Experimented with touch screen version
 - Respondent can select the image or the checkbox
 - Respondents tried to swipe up/down and shrink with fingers
 - Virtual keyboard took more space than expected

Please look at the names and pictures of the lightbulbs shown below. Please note that some forms of these light bulbs may look different from the pictures, but you should include any form that you have used.

Which type of lightbulbs do you currently have in your home?

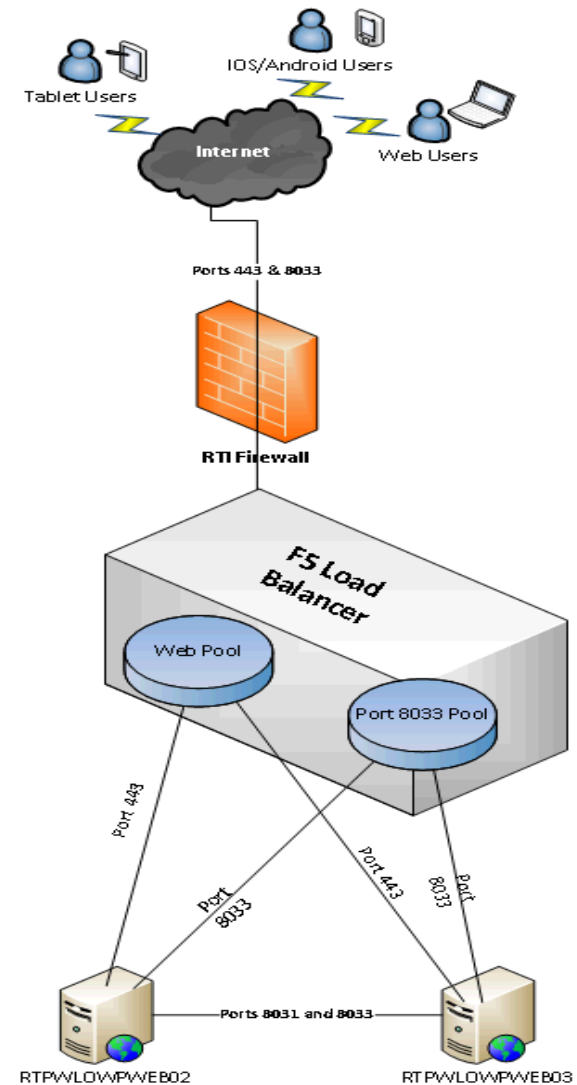
Select all that apply.

Incandescent	CFL	LED
		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I don't have any of these types of lightbulbs in my home

Blaise Server

- Web surveys
 - Everything is automatic
 - Each survey gets its own subsite
- Mobile Device Surveys
 - Uses port 8033 (HTTPS)
- Server Firewall
 - Open ports 443 and 8033
 - Port 8031 for intra-server park communication
- Lessons Learned
 - Need support from infrastructure staff



Windows and Web Versions

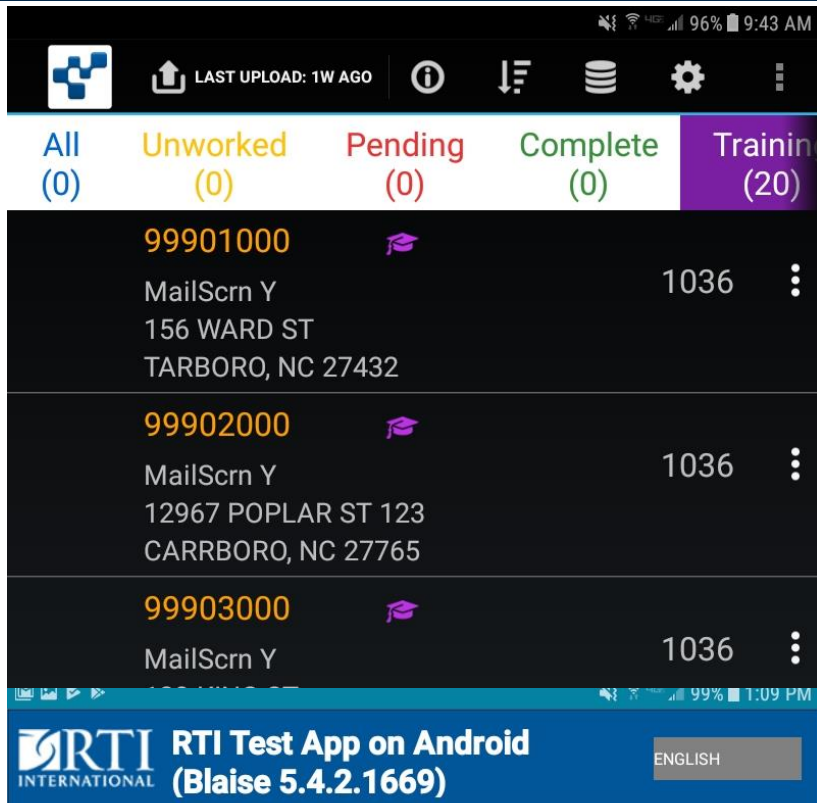
23. Select the area(s) in which you needed, requested, and/or received guidance or training and technical assistance (T/TA) during **the past Federal fiscal year**. (Select all that apply.)
• *Federal fiscal year goes from October 1 through September 30 of the following year.*

Training/technical assistance (T/TA) areas					
	Needed T/TA in this area	Requested T/TA in this area	Received T/TA in this area	Number of hours T/TA received in the past year	
23a. Needs and resource assessment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	24.00	
23b. Strategic plan development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	
23d. Building relationships	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	
23e. Intervention selection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	
23g. Intervention implementation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	
23h. Intervention adaptation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	
23m. Other (Describe)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	something else
23n. Other (Describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Enter a number from 0.00 to 1000.00."/>	

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- Windows Version
 - Adapted to RTI’s IFMS
 - Used API to launch RTI’s Text-to-Speech
- Web Version
 - Used production version in GovCloud

Android App Version



- Adapted to RTI's Android CMS
- Used APIs to
 - Install instruments
 - Download cases
 - Launch interview
 - Upload data back to RTI

The next questions are about smokeless tobacco, such as dip, chewing tobacco, snuff, or snus. Common brands include Copenhagen, Grizzly, Skoal, Camel Snus, Kodiak, and Longhorn.

Have you ever used smokeless tobacco even just a small amount?



Features that need additional review/tweaks/testing

Caveat: Some of these might have been corrected recently.

- CARI:

- Tested briefly on laptops
- Need to test on Android app version

- Instrument Updates:

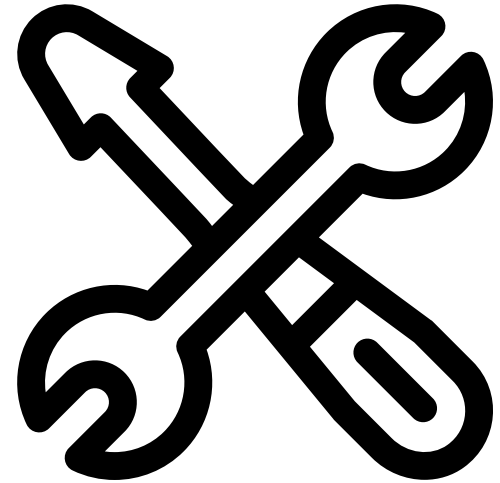
- If Data is in a SQL database
- If web interview is in production
- Offline app version which might have data in old format

- ACASI:

- If the question text has fills, ACASI needs to play multiple MP3 files in sequence

- Range checks:

- If the numeric response is longer than the allowed field, Blaise 5 truncates the response rather than flagging an error



Features we are waiting for...

- Android app:
 - Delete specific cases from local device once the data is in house (Needs testing)
 - Transfer partially completed cases from one FI to another
- Double Key verification:
 - This feature is critical for RTI
- Randomization of responses and questions:
 - This has become common in a lot of CAI software now
- Automated testing tool:
 - This is a wish list item but it is becoming increasingly critical

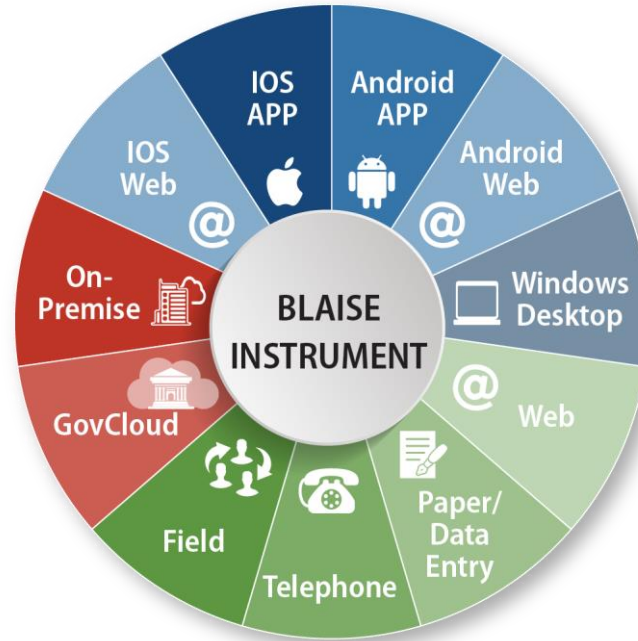


Next Steps

- Finalize RTI's standard version of the Resource Database
- Test ACASI and CARI on all devices
- Test updating instruments after the start of data collection
- Do production testing of Blaise 5 for laptops on a project (Jan 2019)
- Do production testing of Blaise 5 for Android apps on a project



Conclusion



Program once and deploy in all modes/devices

Customizable for better User Experience

Feature rich

Powerful logic engine

Hooks for external programs

Blaise 5 might be the answer!

Thank you for listening!

For more information:

R. Suresh

RTI International

919.541.6814

suresh@rti.org

Disclaimer: This presentation is simply to report on our findings from the evaluation of Blaise 5. It should not be construed as an endorsement as RTI International does not endorse any software or product.