

PROJECT HILLEMANN

Presentation/dry humor by Joel Mewton, Bitscopic
Prepared for WorldVista, January 2015

BITSCOPIC

□ About me:

- VA 2006-13, Master Chief Modernization Strategist
- I completely made up that title. I was a lowly code troll in field development, VACI
- Bitscopic 2013-15, Senior Code Troll
- Working on HAISS with VA OPHSR. Building data warehouses from all production VA VistA databases
- Interested in toolsets, VistA “modernization”, web services, systems integration
- My personal goal: make tools that enable anyone with a ~~good~~ idea and a little ambition to write an app

What's in a name?

- Dr. Maurice Hilleman developed the vaccine for Mumps when his daughter became ill with the disease in 1963
- Called by some: the most influential immunologist of the 20th century
- Dr. Hilleman “cured” Mumps...
- Project Hilleman aims to provide a “framework” (I hate that word, too...) for extending and refactoring VistA
- Get it?? Haha.

What's wrong with VistA?

- Heretic!!! Get him!!
- The entire world of VistA development is in Sacramento (yes, I mean you lot)
- We want to leverage cool tools
- VistA doesn't "extend" well... Lack of externally accessible APIs
- Scheduling/MASS is a near-perfect example
- VistA is pretty gosh darn tough to understand
- I'm being inflammatory. Nothing is "wrong" with VistA but it does break down under certain use models

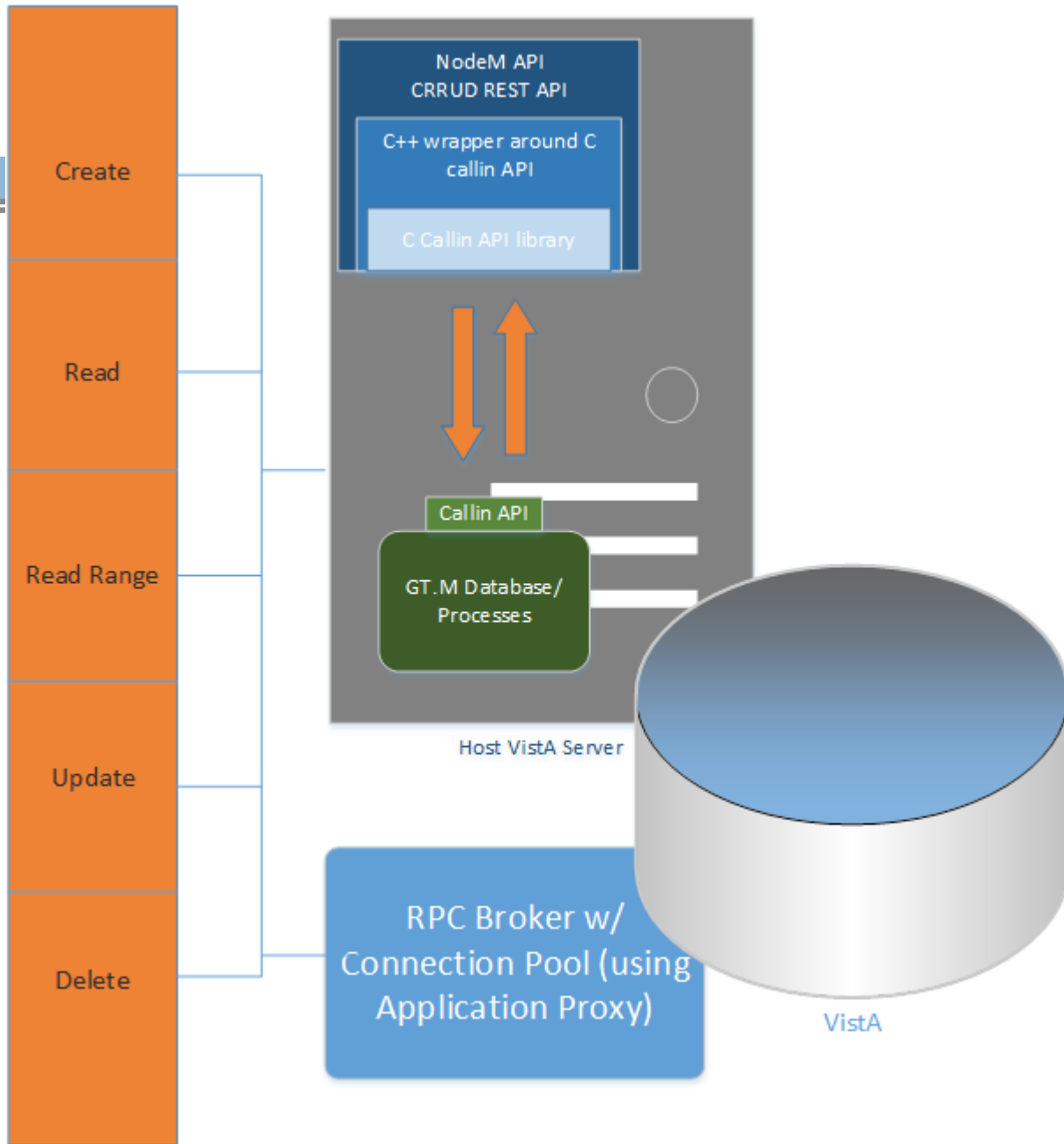
Software development is hard

- In general. Vista is double trouble
- And don't forget... we're talking about MEDICAL SOFTWARE! It's kind of a big deal to get it right
- Lots of business rules (is it ok to create this order?)
- Those damn kids... they want an app for that
 - New apps must be churned out fast
 - APIs/web services are a must
 - Must support multiple languages, environments
- Etc.

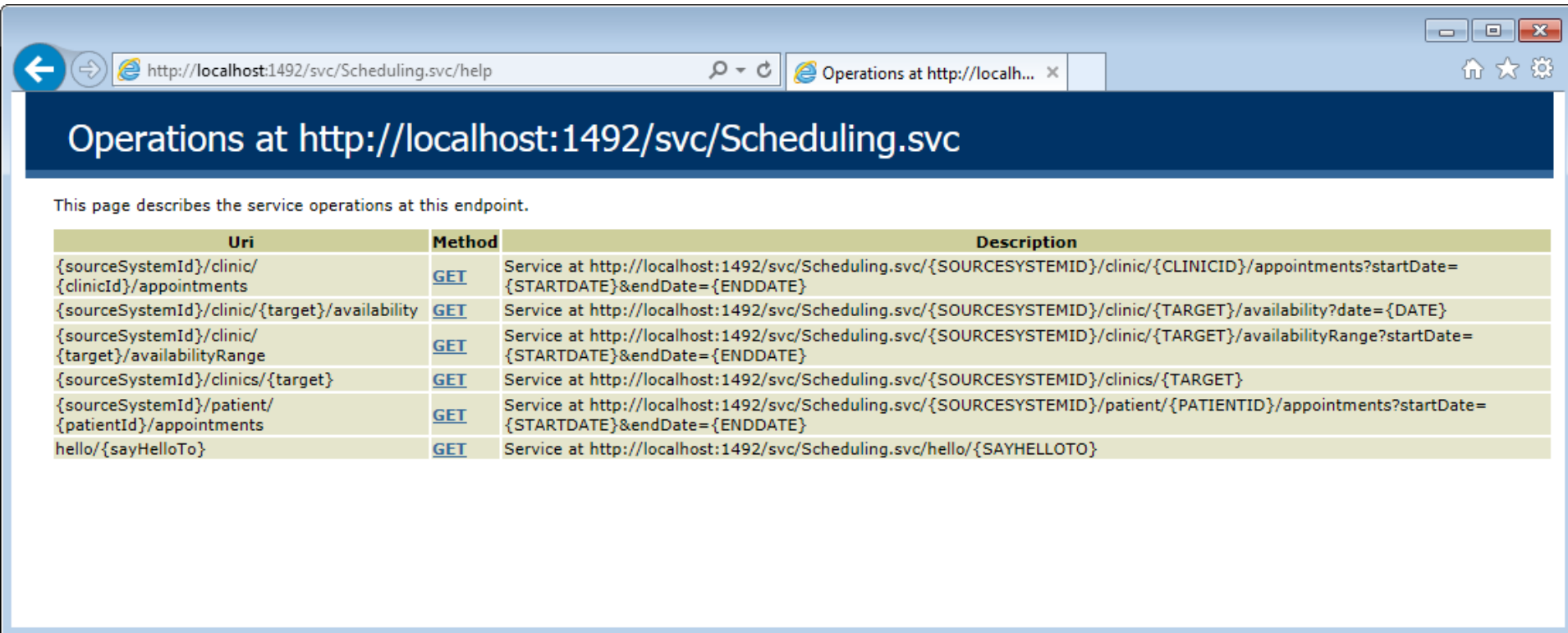
Hilleman: the core “requirements”

- Decouple the data and the business rules
- Fast, fast, fast APIs
- Flexibility to get closer to the metal but try to keep the data access relatively abstract (i.e. no direct global R/W)
- Ability to work with VA's production systems
- Support every language/technology possible
- Evolution – not revolution

CRRUD APIs



Web Services



Operations at <http://localhost:1492/svc/Scheduling.svc>

This page describes the service operations at this endpoint.

Uri	Method	Description
{sourceSystemId}/clinic/{clinicId}/appointments	GET	Service at http://localhost:1492/svc/Scheduling.svc/{SOURCESYSTEMID}/clinic/{CLINICID}/appointments?startDate={STARTDATE}&endDate={ENDDATE}
{sourceSystemId}/clinic/{target}/availability	GET	Service at http://localhost:1492/svc/Scheduling.svc/{SOURCESYSTEMID}/clinic/{TARGET}/availability?date={DATE}
{sourceSystemId}/clinic/{target}/availabilityRange	GET	Service at http://localhost:1492/svc/Scheduling.svc/{SOURCESYSTEMID}/clinic/{TARGET}/availabilityRange?startDate={STARTDATE}&endDate={ENDDATE}
{sourceSystemId}/clinics/{target}	GET	Service at http://localhost:1492/svc/Scheduling.svc/{SOURCESYSTEMID}/clinics/{TARGET}
{sourceSystemId}/patient/{patientId}/appointments	GET	Service at http://localhost:1492/svc/Scheduling.svc/{SOURCESYSTEMID}/patient/{PATIENTID}/appointments?startDate={STARTDATE}&endDate={ENDDATE}
hello/{sayHelloTo}	GET	Service at http://localhost:1492/svc/Scheduling.svc/hello/{SAYHELLOTO}

Stop... Demo time!

