

IT Strategic Update

James Gleason
Alex Tulchinsky

Chair, ITAC
CTO, UNOS

Agenda

- ITAC Chair – Opening Remarks Jim
- BOD Backlog and Key Projects Update Alex
- UNOS IT Strategy Alex
- Questions

ITAC 2014/15 Composition

ITAC members from UNOS board (3 voting members)



PATIENT AND DONOR AFFAIRS
James M. Gleason, M.A. (2015)

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*** ITAC Chair**



OPO REPRESENTATIVE
Susan A. Stuart, RN, M.P.M. (2015)

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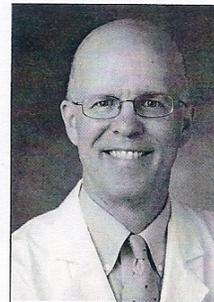
REGION 9 COUNCILLOR
Lloyd E. Ratner, M.D. (2016)

Director
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ITAC advisors from the IT community (3 non-voting members)

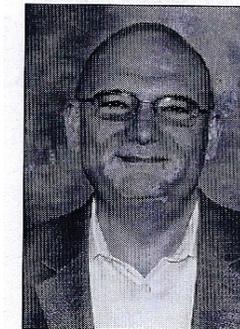
- Haris F. Basit
- Arthur (Art) L. Glasgow
- Rick Hasz

ITAC Board Leadership and UNOS staff



PRESIDENT, BOARD
CHAIR, EXECUTIVE COMMITTEE
Carl L. Berg, M.D. (2015)

Medical Director of Abdominal
Transplantation
Professor in Medicine
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CHIEF TECHNOLOGY OFFICER
Alex Tulchinsky

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ITAC Chair – look back at 2014/2015

Oversee the implementation of board approved IT actions and supporting recommendations to include

- Advise and oversee continued IT organizational and process improvements
 - *Significant progress made – Agile methodology adopted, engineering teams expanded, new leadership on-board*
- Monitor system development and service delivery per schedules
 - *BOD Backlog Reduction Goal is **1 year ahead of schedule!***
- Insure continued leadership and financial support for IT effort across fiscal calendars
 - *Guided UNOS IT in successfully securing unspent 2014 IT Budget Dollars for Key IT Architecture Efforts in 2015 and 2016*
- Provide client and expert guidance for IT futures
 - *Advised and affirmed UNOS IT on Data Lake and Web Services technological direction*
 - *Haris Basit directly engaged in helping establish relationship with University of Illinois*
- Insure service is anchored in client need and satisfaction
 - *Oversaw creation of the Customer Council and ensured selection of key contributing members of community*

2015/2016 ITAC

- New Composition – 5 Voting BOD Members

BOD Members

- Jim Gleason – Chair (1 year remaining)
- Lloyd Ratner (1 year remaining)
- Richard Perez
- David Reich
- Walt Nickels

Advisors

- To Be Appointed

2014 BoD Backlog IT Goal

- Complete all projects approved through December 2013 by end of 2015

2015 – End of Year Projection

13 + ? – Pipeline
11,710 hours + ?

2 – In Progress
3560 hours

**29
Delivered**
41,835

2015 – Completed

- 1) Ped Lung Diagnosis – Other Specify
- 2) TIEDI OMB
- 3) Revise LAS
- 4) Living Liver Donor Follow-up
- 5) Ped Liver Remove ICU Requirements
- 6) Ped Liver Hepatoblastoma Requirements
- 7) Update HLA Equivalency Tables
- 8) Potential Donor Derived Disease Transmission reporting
- 9) Comprehensive Histo Rewrite
- 10) DCD Definitions
- 11) Change Consent to Authorization
- 12) Review of Minimum Screening for Donors
- 13) 2013 PHS Guidelines Review
- 14) Donor Screening using Qualified Specimens

- 15) Reporting of Aborted Living Donor Organ Recovery
- 16) Patient Safety – Liver Donor Events
- 17) Cap HCC Exception Score at 34
- 18) Delay HCC Exception Score Assignment

2015 – In Progress

- 1) Modify Pediatric Heart Allocation
- 2) Require Serum Lipase for all Pancreas Donors

- 25) Serologies affecting Match Run **
- 26) Reinstate No Appeal No Withdrawal
- 27) Imminent and Eligible Death Definitions
- 28) Add Serum Sodium to MELD
- 29) Definition of the End of a Transplant (Help Doc)**

** BOD approval anticipated June 2015

[2015] [2014]

Age [year of BOD approval]

IT BOD Backlog by the End of ...

2013

23 Projects
2 in progress
21 in queue

18 older than 12
months

2014

35 Projects
7 Delivered
5 in progress
23 in queue

16 older than 12
months

2015

44+ Projects
29 delivered
2 in progress
13+ in queue

3 older than 12
months

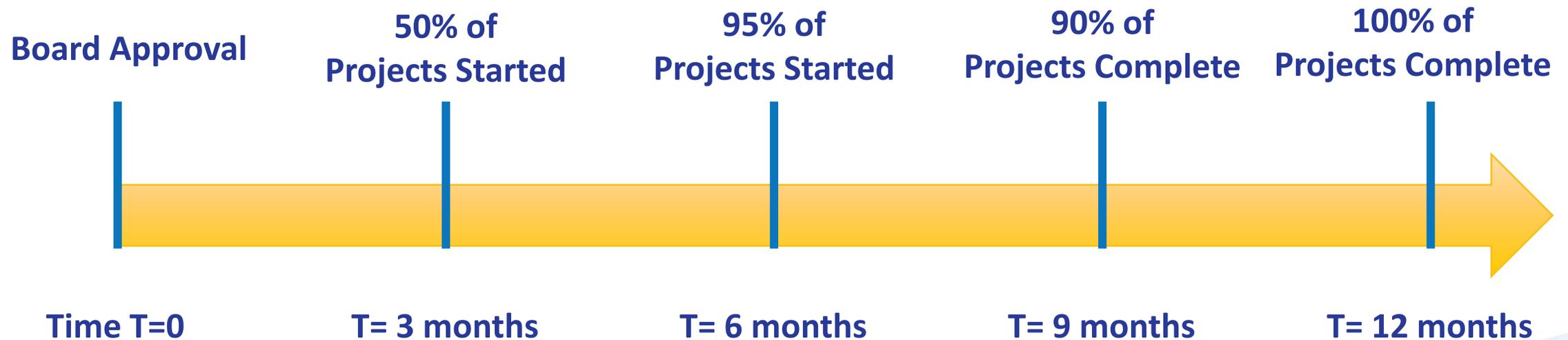
2016 and on

? Projects
15+ delivered
? in progress
? in queue

0 older than 12
months

BoD Project Service Level Objective

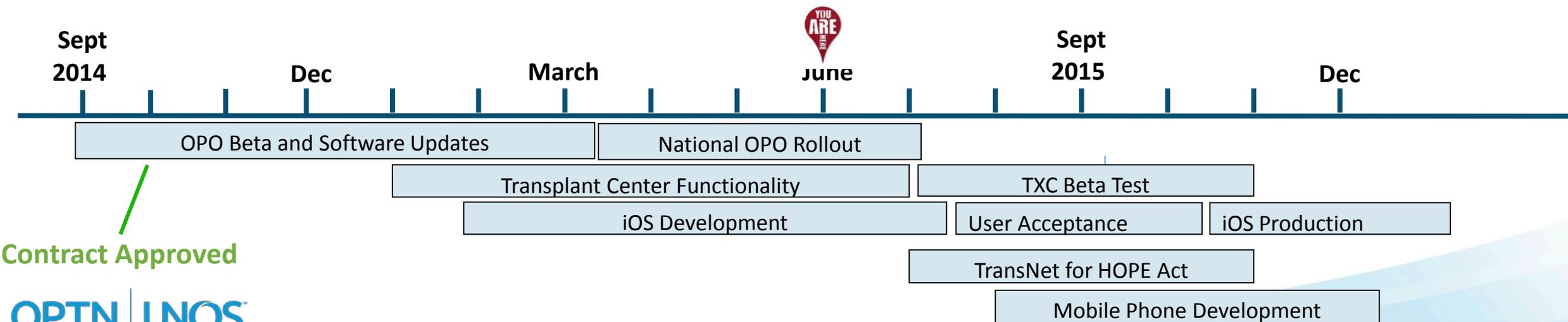
- Approved projects start prior to next BOD meeting
- No projects are ever older than 12 months





Current Android Solution

- Voluntary nationwide deployment – March 4th
- DonorNet NAT fields to be added – August 10th
- Train the Trainer Sessions – 45% of all OPOs
- Excellent reviews



Contract Approved

UNOS Technology Transformation

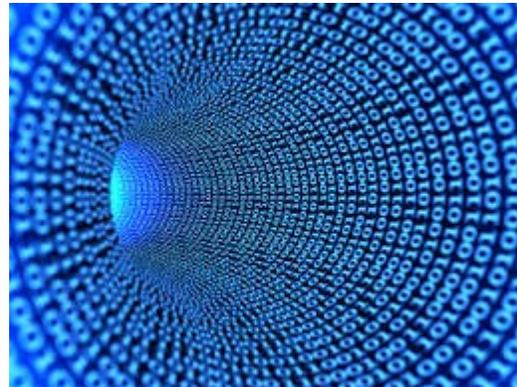
Complexity of existing architecture



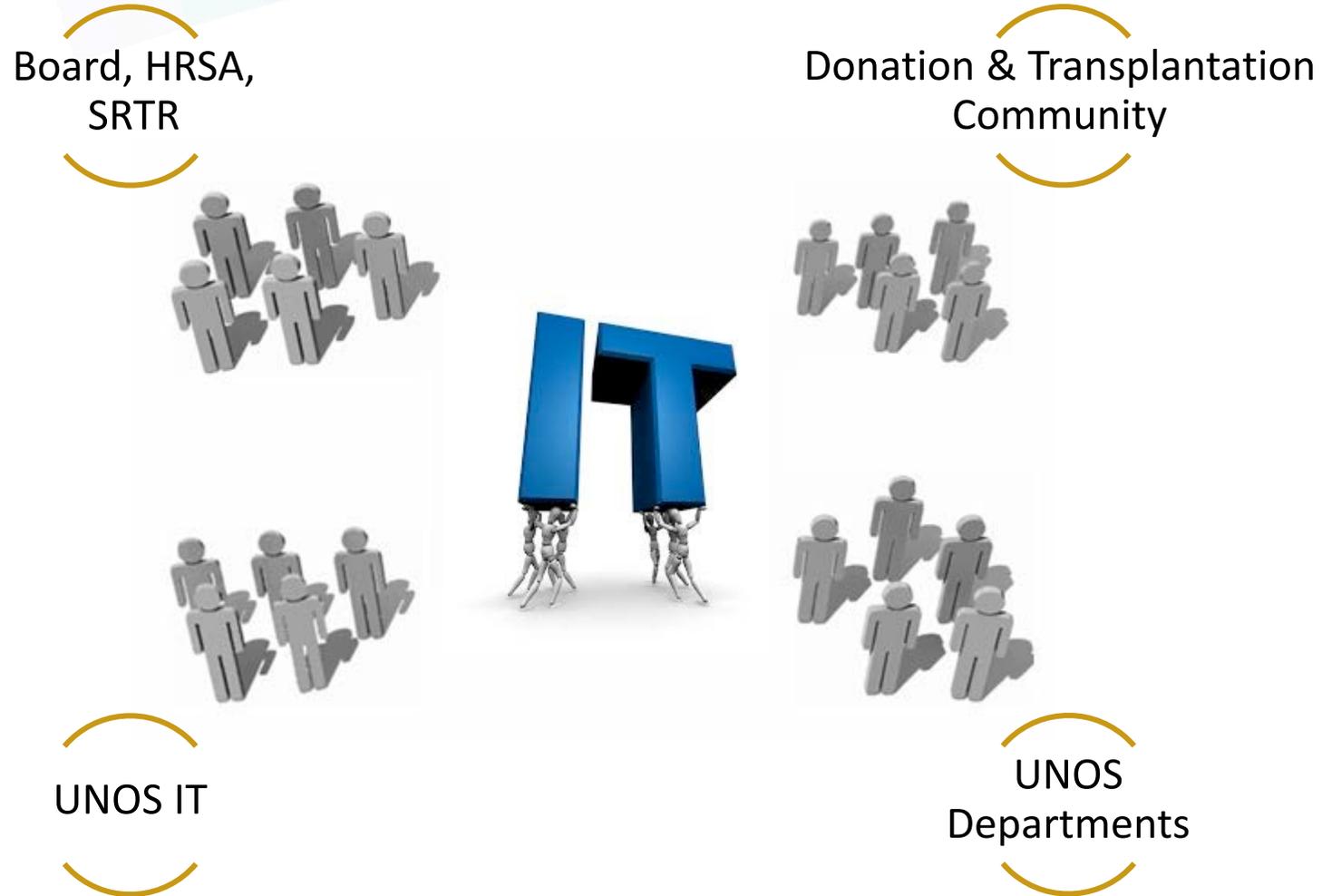
Changes in User Expectations



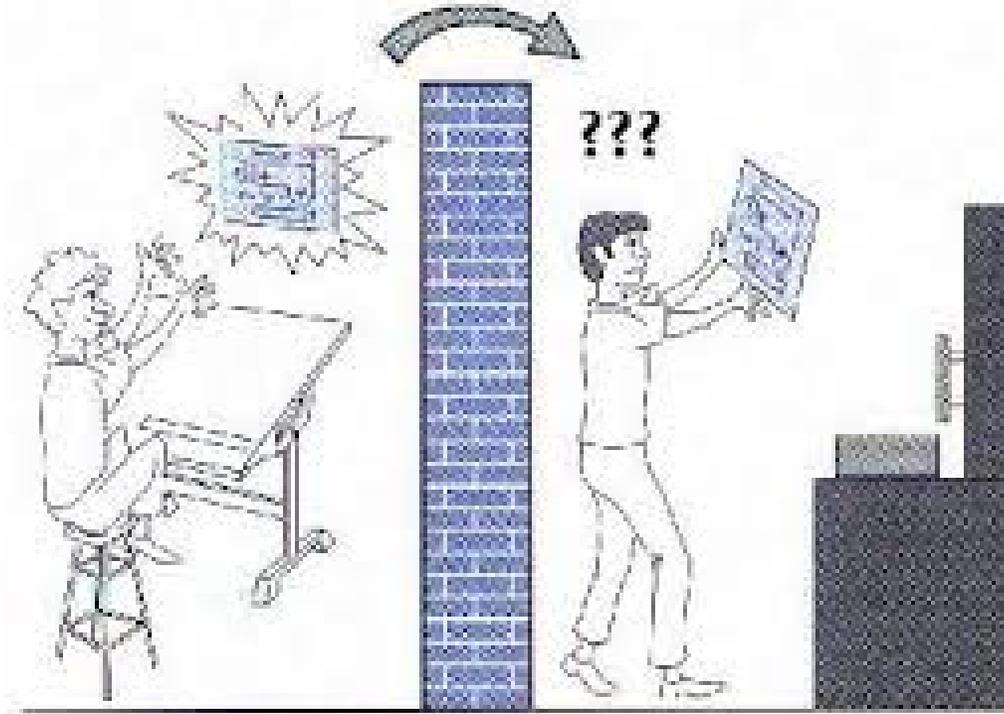
Explosion of Data



UNOS IT Strategic Focus: Customers

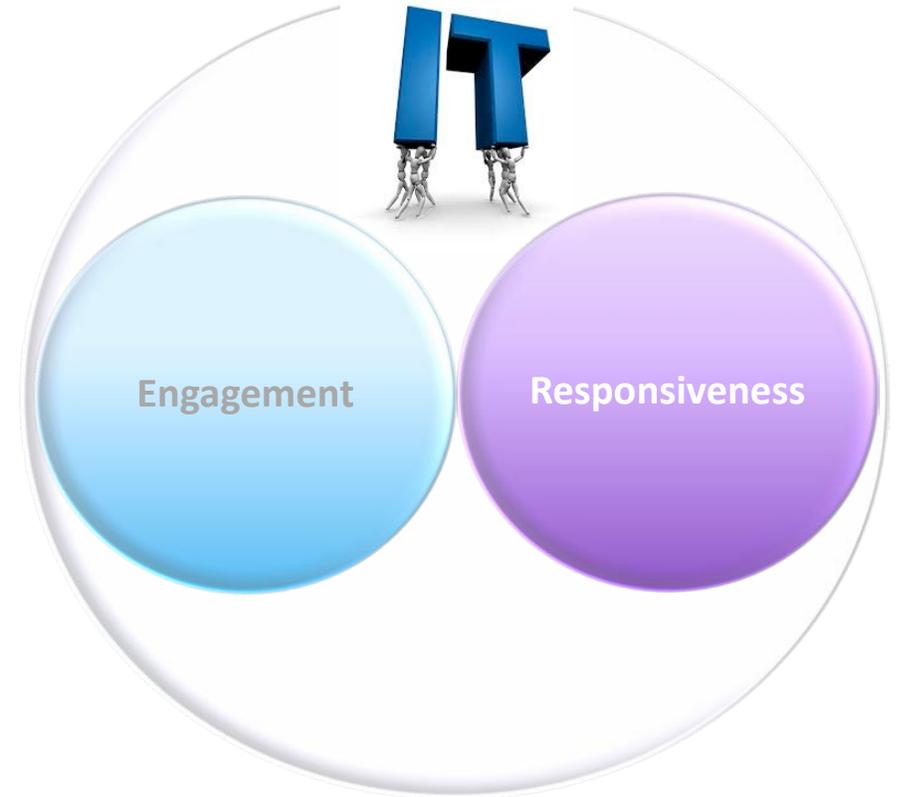


Customer and UNOS IT Prior to 2014

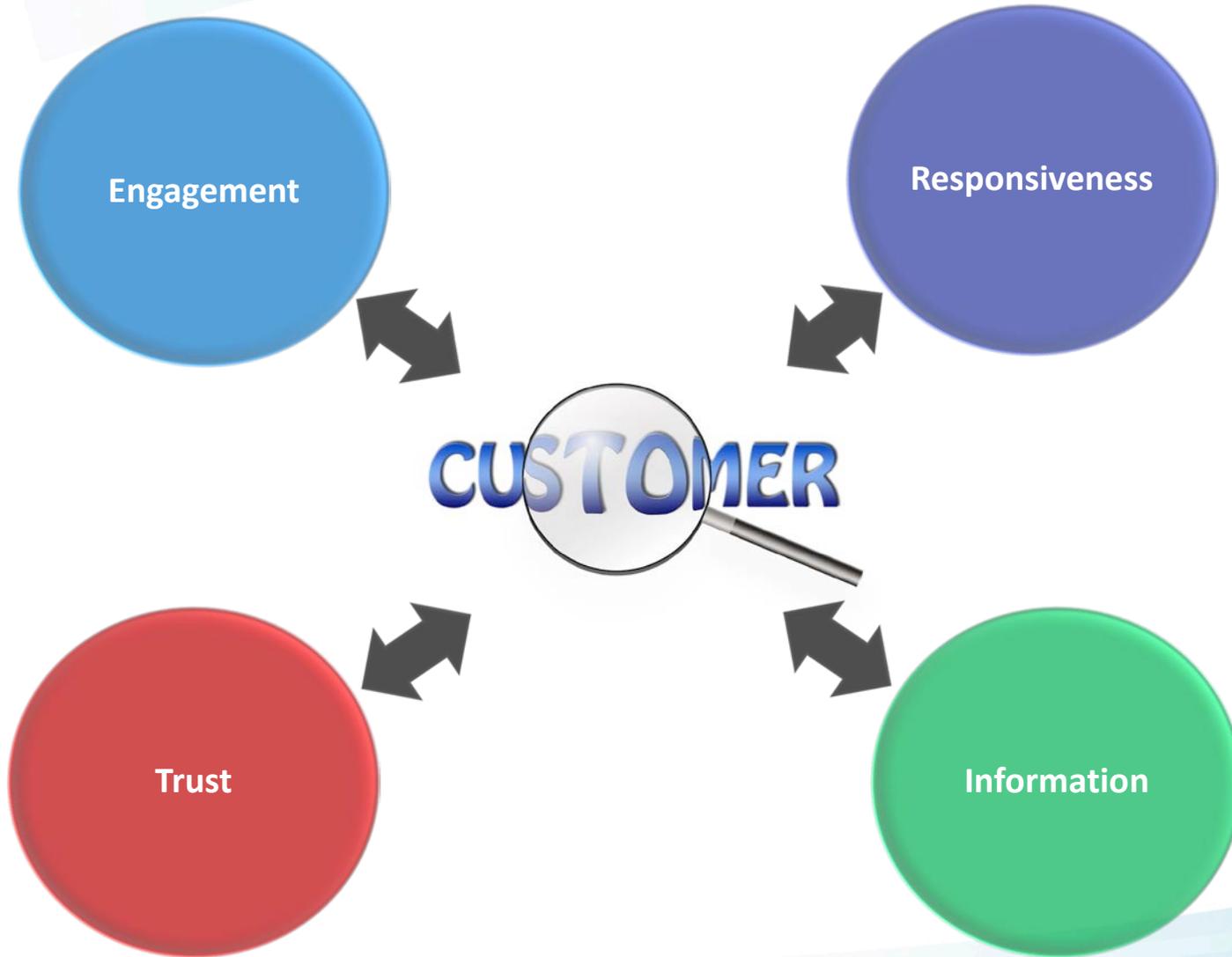


Customer and UNOS IT 2014

CUSTOMER



Customer and UNOS IT 2015 and beyond

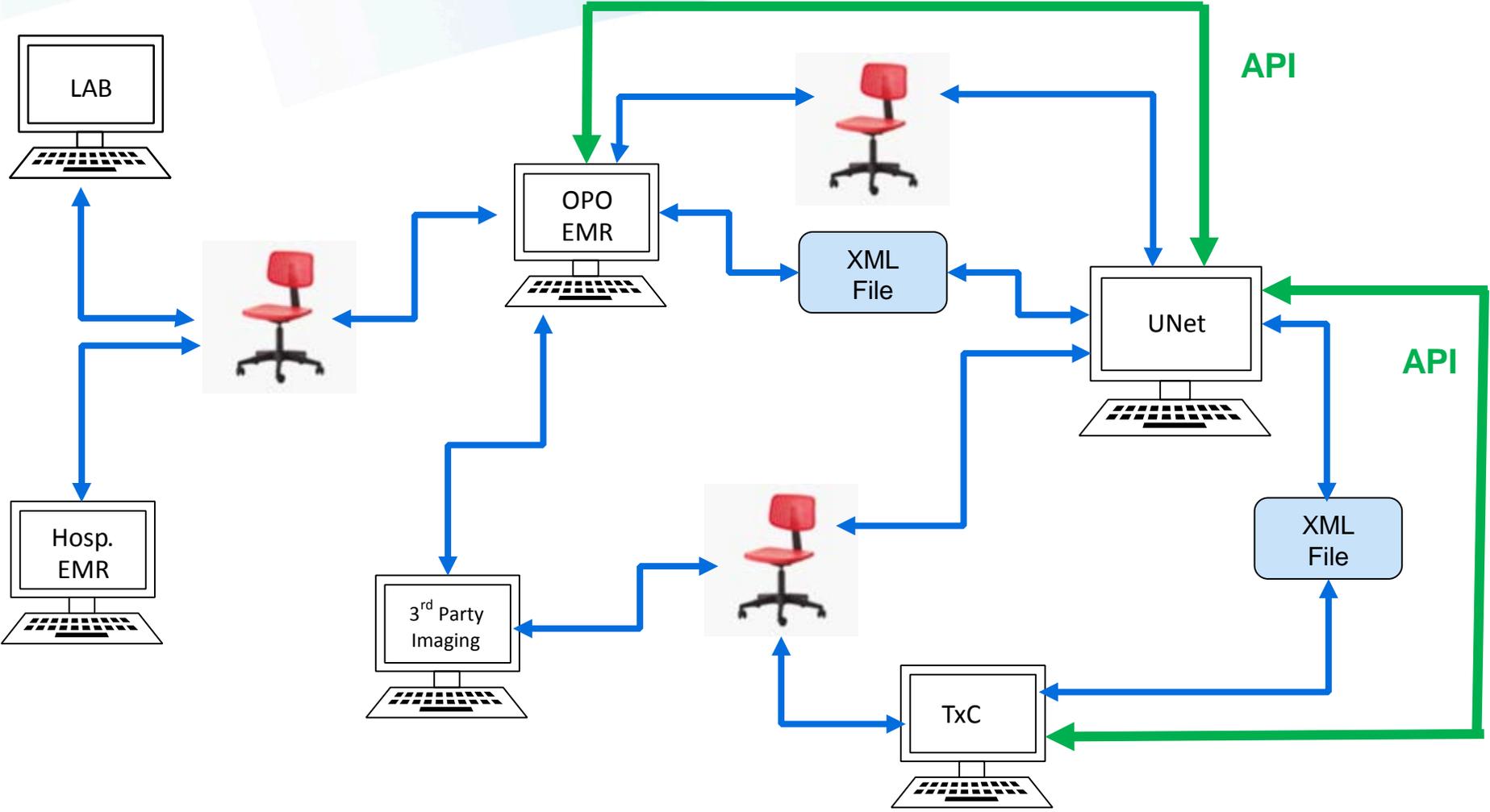


Engage with the Community

MEMBER PERKS

Close Relationship with the Engineering Teams	Opportunity to Influence the Roadmap	Opportunity to meet and learn from other participants
		

The Data Trail - Going Forward



Engage Customer Interactions with UNet



UNOS Data Lake



