

Deep IT Infrastructure Organizational Geography

Legend

Organizational unit containing end-users. At a high-level, the Hutch is divided into divisions, and these are illustrated here. In general, this diagram hides the organizational structures within each division. However, in PHS, this diagram illustrates some of those structures, because deep IT infrastructure is delivered on a more granular basis in PHS than it is in other divisions.

The area underneath each mountain is proportional to the number of employees in that unit. The number of employees is printed near the peak of each mountain. Take this number with salt -- I haven't figured out how to accurately calculate the number of people employed in each unit.

IT Infrastructure group providing support to an organizational unit at a divisional or smaller level. The service(s) which this groups provides are listed, along with an estimate of how many staff are employed to provide the listed services.

Service delivered in a Center-wide fashion.

- Azure = Admin
 - Blue = Basic
 - Cherry = Clinical
 - Hot Pink = Human Biology
 - Purple = PHS
 - Silver = SCCA
 - Yellow = Shared Resources
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- Peach = Children's Regional Hospital and Medical Center
 - Green = On-Site Consulting
 - Orange = University of Washington Academic Medical Information Services

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Clinical Research

730 Staff

Seattle Cancer Care Alliance

450 Staff

500 Affiliates

Public Health Sciences

850 Staff

150 Affiliates

Division-Specific Services

Admin

430 Staff

InfoTech
21 person
Desktop
Application, File, & Print Servers

80 Affiliates

Shared Resources

80 People

Computing Support
2 people
Desktop
Application, File, & Print Servers

Internet Services
2 people
Desktop
Application Servers

Basic Sciences

260 Staff

Computer Support
2 people
Desktop
File & Print Servers

Human Biology

260 Staff

Computer Support
2 people
Desktop
File & Print Servers

Clinical Data Systems
1 person
Application, File, & Print Servers

InfoTech
2 people
Desktop
Application, File, & Print Servers

250 Affiliates

SCCA IT
4 people
Technology Management

UW AMCBS
Acad Group Systems

University L&DS
Lab Processing

CHRCM
Child Clinical Systems

InfoTech
2 people
Desktop
File & Print Servers

On-Site
Desktop

Clinical Data Systems
Clinical Information Systems

Medical Oncology
30 People

Biostat Methods & Modeling
Cancer Biology
Core Labs
PROGRESS
PHS Admin
Quantitative Genetic Epidemiology
TOR

PHS IT
6 people
Desktop
Application, File, & Print Servers

EPI IT
1 person
Desktop
Application Server

CARET
50 Staff

CARET IT
2 people
Desktop
Application, File, & Print Servers

CSS
40 Staff

CSS IT
1 person
Application, File, & Print Servers
Packet Transport

CDS
50 Staff

CPRP IT
2 people
Desktop
Application, File, & Print Servers

EPI IT
1 person
Desktop
Application Server

CPRP
200 Staff

CPRP IT
2 people
Desktop
Application, File, & Print Servers

HSPP
30 Staff

HSPP IT
1 person
Desktop

PCPT
20 People

PCPT IT
1 person
Desktop
Application, File, & Print Servers

NWTS
15 Staff

NWTS IT
1 person
Desktop
Application, File, & Print Servers

SCHARP
130 Staff

SCHARP IT
12 people
Desktop
Application, File, & Print Servers
Packet Transport

Weiss-Daling
60 Staff

Weiss-Daling IT
1 person
Desktop
File & Print Servers

WHI
80 Staff

WHI IT
1 person
Desktop
E-mail Application, File, & Print Servers
Packet Transport

Center-Wide Services

E-mail, delivered by Server Operations. Exchange, POP/IMAP.

Collaborative Services, delivered by PHS IT NNTP, listserv

File & Print Services (fred.fhccr.org), Internet Services (Webmaster), Arnold Library, Biocomputing, Large Scale Cell Processing, cDNA Library, Gene Marking & Tracking, NOD/SCID Assay, Cytokine Analysis, Electron Microscopy, Flow Cytometry, Genomics, Proteomics, Research Pathology, Scientific Imaging, Tracking Resource Center.

Identity Management, delivered by Server Operations, Software Development Services, Human Resources. Account creation, modification, deletion

Interstitial Services, delivered by Server Operations. Authentication (NTLM, Kerberos), DHCP, DNS, LDAP, mail relay, NTP

Data Transport, delivered by Voice/Data Operations using Qwest, AT&T, PNW GigaPOP, InterNAP. Ethernet switches & routers, Internet connectivity, partner connectivity

Cabling Systems, delivered by Voice/Data Operations using Holmes and NetVersant

UPS Systems, delivered by Voice/Data Operations using Facilities Engineering

Power Systems, delivered by Facilities Engineering using Seattle City Light.

Overview

This diagram portrays an anthropological view of information technology infrastructure at the Hutch. It illustrates the relationships between the organizations providing deep IT infrastructure support and the scientific groups receiving that support. It focuses on deep infrastructure -- stuff which is either transparent or translucent to end-users -- rather than the applications with which the end-users interact. (Typically, 'IT' to an end-user will involve applications such as reporting, statistical analysis, or other visualization tools sitting on top of data stored in a structured format. Or perhaps simply word-processing and Web browsing. This diagram does not address this end-user perspective.)

Division-Specific Services

These services are delivered in a division or department-specific manner. Failure of a given service generally results in the partial disruption of a given person's, department's, or division's IT effort

Center-Wide Services

A few of these services interact directly with end-users and are delivered on a Center-wide basis. Failure of an e-mail, Web, or Collaborative service generally results in the disruption of that service for more than one department. The rest of these services do not interact directly with the end-user; rather they provide foundational services upon which the rest of the IT superstructure is built; they are generally delivered in a geographical manner. Failure of one of these services results in catastrophic disruption to the IT effort of a floor, building, campus, or of the entire Center.