
Cost of Scaling an IT Department In Biotech



SCALING IT OPERATIONS IN BIOTECH

The cost of scaling your Biotech startup's IT on the way to commercialization



One of the biggest challenges Biotech startups faces on their way to commercialization is designing, maintaining, and scaling a proper IT infrastructure.

In an industry where IP, R&D, and data are often a company's most valuable assets, its IT Infrastructure is one place a Biotech company cannot afford to cut corners.

If you look at the five stages of growth a company goes through you can see each stage has its own unique IT requirements. If your company is looking to scale, having a handful of IT Generalists is not going to get the job done if anything it can leave put your company in a very vulnerable situation.

THE 5 STAGES OF GROWTH



Startup

Designing, installing, configuring, and maintaining IT, Lab, and Informatics infrastructure. Implement IT processes, and procedures based on best practices.



R&D

Assist with company's rapid growth in terms of personnel and technology. Implement IT solutions to facilitate R&D endeavors. Implement compute and storage network on cloud and/or on-prem. Assist with office expansions.



Clinical trials

Implement solutions to meet regulatory and compliance requirements during different phases of clinical trials. Work with CROs. Implement advanced cybersecurity solutions.



IPO

Work with investment bankers on IT due diligence. Ensure your company meets SOX requirements.



Commercialization

Implement IT solutions to meet manufacturing and sales requirements. Also work with different partners and vendors. Provide global support.

Over the past 25 years, we have helped thousands of companies, scale from startups to industry leaders, and along the way have figured out the perfect technical team every Biotech company should have in place to scale their operation properly, securely, and exponentially If needed.

THE IDEAL BIOTECH IT DEPARTMENTS NEED THE FOLLOWING SPECIALISTS:

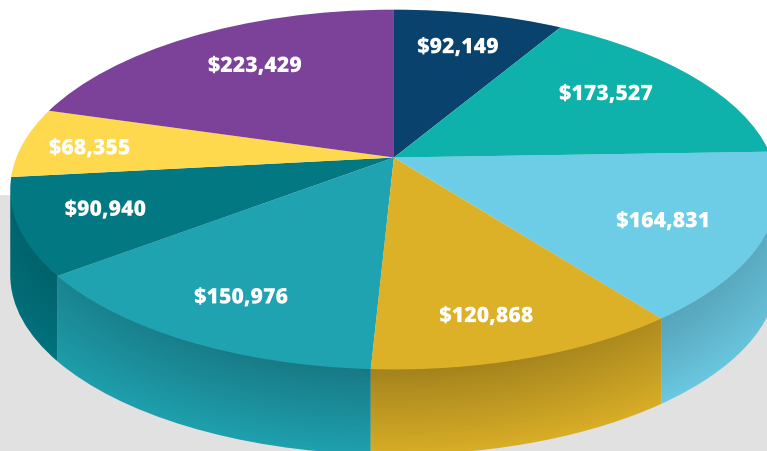
- ✓ **NETWORK ENGINEER:** manage wide area and local area network and security, wireless network, and security on-prem and in the cloud.
- ✓ **SECURITY ENGINEER:** responsible for overall IT infrastructure and services security. Manage and maintain SIEM and work with the SOC (Security Operation Center) team.
- ✓ **WINDOWS ENGINEER:** identity management, DHCP, DNS, servers, backup, support cloud applications, virtualization, and storage. Azure server and services
- ✓ **LINUX ENGINEER:** manage and maintain Linux servers, storage, and AWS setup. and security. Work with Informatic group to design, implement, and manage to compute environment and data management.
- ✓ **DATABASE ADMINISTRATOR:** manage and maintain different databases.
- ✓ **NETWORK OPERATION CENTER SPECIALIST:** IT engineers monitoring and acting 24x7x365.
- ✓ **USER SUPPORT SPECIALIST:** assist users onsite and remote, assist with onboarding and offboarding.
- ✓ **HELP DESK SUPPORT SPECIALIST:** remote user support 24x7x365.
- ✓ **DIRECTOR OF IT OPERATIONS:** plan, design, and direct all operational activities of the IT Operations department, as well as provide direction and support for IT solutions that enhance mission-critical business operations.

Now you know who you need let's look at the investment required to assemble your experts:

NOTE: This does not include taxes and insurance which could balloon to over \$2,000,000 annually just to employ the right team!
This is if you hired just one engineer for each position listed above which is not nearly enough as this is a 24x7x365 operation.

Standard Biotech IT Team

Annual Salaries



Total = \$1,085,075

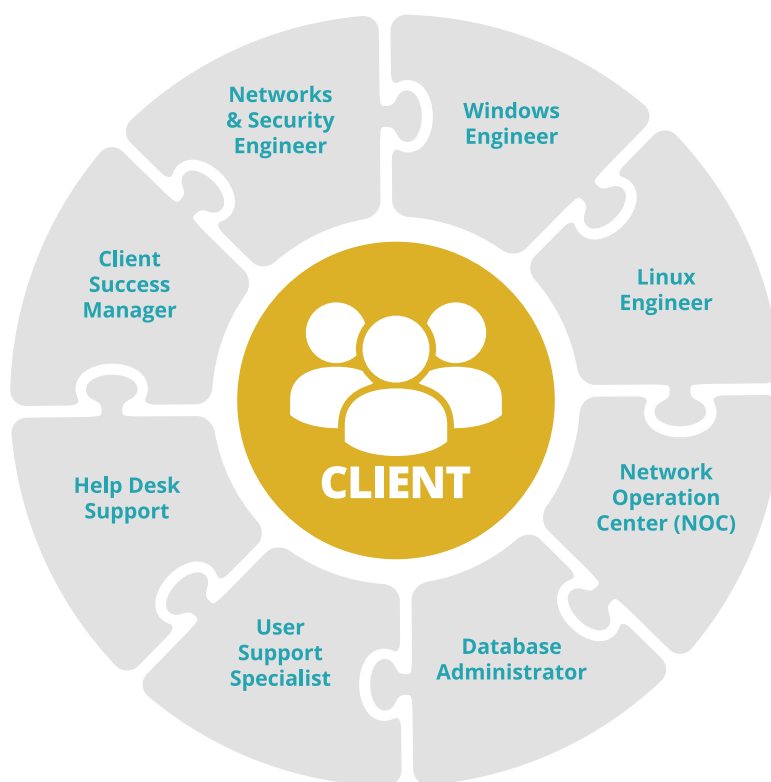
- | | | | |
|-------------------|---------------------------|---------------------|---------------------------|
| Network Engineer | Network Security Engineer | Linux Engineer | Windows Server Engineer |
| Database Engineer | Support Engineer | Helpdesk Specialist | Director of IT Operations |

If you were to hire just one employee for each position the salaries alone ring in just under a million a year. This does not factor in the time and resources required to recruit, train, staff, and manage this department.

The key to success in biotech is to remain focused on the core business of scientific discovery, and ideally, when you raise funds, you want to invest as much of that capital as possible into your science. However, if the current Cyber Pandemic has taught us anything neglecting your company's IT Infrastructure can have catastrophic consequences. The latest report from the Ponemon Institute estimated the average total cost of a data breach in 2021 for a company with less than 500 employees was over 3.7 million dollars!

THE SOLUTION: ICE'S MANAGED IT & SECURITY SERVICES

For a fraction of the cost of a single IT employee's salary, we provide you with an entire team of specialists complete with a Customer Success Manager. Better yet, with offices here and abroad every one of our partners receives 24x7x365 monitoring and support from their technical team.



Want to discuss assembling your own ICE Technical team customized with the experts your company needs?

Give us a call at **888-423-4801** or email us at **info@iceconsulting.com** today