Captor Therapeutics

case study

codilime ✕ Captor Therapeutics®

Data protection and secure, reliable IT infrastructure for international biotech company

Captor Therapeutics is a biopharmaceutical company focused on the development of protein degradation drugs for cancer and autoimmune diseases which have limited or no known treatment options. They provide a multi-faceted method to eliminate disease-causing proteins thanks to a broad expertise in targeted protein degradation (TPD).

Their integrated approach combines competencies in medicinal chemistry, molecular modeling, protein sciences, biophysics, and pharmacology.

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Challenge

One of the project's key points was to ensure the high availability of data to Captor Therapeutics specialists in the most convenient and rapid way. This was connected with the company's need to manage vast amounts of computational data which requires in-depth analysis.

Due to overall data sensitivity, unprocessed information must be secured and backed up, as well as all other network resources. We also had to ensure easy access to data for remote workers.

We aimed to help Captor Therapeutics increase the speed and effectiveness of back-up and cloud storage solutions as well as improve the user experience.

What we delivered

IT infrastructure design & implementation

1

Migration of production environment to cloud

2

Day 2 Operations, including network monitoring & optimization

3

IT support

4

IT advisory

5

Network documentation

6

Results & benefits

Backup time reduction from ~23 hours to less than 30 minutes

More flexible server licensing opportunities

Comprehensive backup policy

Multiple workloads moved to the cloud, duplication of some workloads to keep redundancy

Assurance of network devices redundancy

CodiLime's support for the company on all technical topics

Verification and advice on vendor solutions

Geolocation dispersion of the IT environment: office - cloud - data center

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Client's testimonial

Captor Therapeutics®

Captor Therapeutics covers all aspects of early-stage drug development to deliver therapeutics for life-threatening and life-impairing diseases. We have a lot of sensitive data that needs to be processed and analyzed, which requires the IT operations to be like a well-oiled machine.

Partnering with CodiLime ensured their full support for securing our network infrastructure, processing and protecting data, as well as smooth day-to-day operations. We're highly satisfied with this cooperation, as we can focus on our business and biotechnology.

Anna Pawluk, PhD, MBA

Head of Operations

The scope of the project

During our cooperation on the project, we first focused on providing the best security standards for highly sensitive data, in line with current market standards. To achieve it, our CodiLime team:

- **secured critical access to key platforms**, using additional authentication steps where possible (2FA/MFA) for all administrative accounts, and giving proper documentation to the client,

- secured wireless networks,

- **separated the location of workloads and their backups** for additional data protection,

- and improved **backup system for critical services** – after changes, backup perform and restore is reduced to a few minutes.

The scope of the project

As a large part of our client's staff works remotely, we wanted to guarantee them **easy and seamless access to the company resources without compromising security**. To achieve that, we rebuilt:

- the corporate network, replacing core network equipment with high-end redundant devices, and configuring connections and tunnels to key environments,

- the company's VPN to allow remote access for employees, with automatic granting and revoking of privileges,

- a virtualization environment with replication, allowing workloads to be brought back online in the event of a disaster within minutes.

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The scope of the project

Together with the client, we discussed fields that must be improved or shortcomings that were slowing company development in the long run. To meet the established needs, we created:

- a **help desk with task queuing**, facilitating the work of both employees and administrators, enabling reporting and scheduling tasks in this area,

- corporate **network monitoring and services with notifications** for the IT team,

- **documentation of services** and network configurations and workloads (maintaining and updating documentation on a regular basis).

The scope of the project

As a complement to all of the above actions and changes we moved or duplicated environments in the cloud, connected via a secure VPN tunnel to local environments and planned a migration to an external server room with a cost estimate. Last, but not least, we provided our client with a comprehensive IT support service **(CodiLime provided a team with permanent, day-to-day IT support)**.

Technologies and tools

Google Cloud

JUNIPeR NETWORKS

Jira Service Management

About CodiLime

codilime

Since 2011, CodiLime has been the engineering partner of choice for semiconductor companies, networking services, telecom services, and software solution providers.

We have come a long way – from a startup to a company that hires more than 350 top-notch software developers, network engineers, DevOps experts, and solution architects. **We focus on five N.E.E.D.S. - Networks, Equipment, Environment, Data and Security.**

We aim to link engineering talent with business domain expertise. Everything to provide our clients with delivery excellence and custom-tailored solutions.

Check out what our partners have said about us and how they evaluated our cooperation.

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