

Anaconda + Danske Bank

Centralizing Secure, One-Stop Access to Open-Source Software Across the Enterprise

Headquartered in Denmark's capital city of Copenhagen, Danske Bank is a multinational banking and financial services corporation that offers advisory services and solutions for individuals, families, and organizations. The bank's mission is to unlock the potential in people and businesses by using the power of finance to create sustainable progress for generations to come.

With over 22,300 employees serving more than five million personal and business customers across eight countries, Danske Bank wanted to bring the power and collective intelligence of community-supported open-source software to its IT operations professionals, software architects, data scientists, and product owners.



Giving Practitioners Secure Control Over Processes and Code

Danske Bank transitioned from proprietary coding languages and solutions to Python and sought to centralize and monitor the use of Python and other open-source software (OSS) across the organization. The team wanted a solution that would support their security requirements and make it easier to provision accounts for their users.

To achieve these goals, Danske Bank adopted Anaconda to provide curated and secure access to data science and machine learning packages and, in doing so, support 90 production models that predict outcomes and influence action on upsell, cross-sell, and marketing propensity opportunities.

Danske Bank

BANKING AND FINANCIAL SERVICES

- 42.5 billion DKK (5.9 billion USD) in revenue
- 90 production models
- 5 million customers in 8 countries
- 22,300 employees

CHALLENGES

- Lack of control over data science operations and processes
- One-off installations of data science tools and libraries
- Difficulty making changes to code

SOLUTION

Implement Anaconda and open-source data science software to enhance security, model development, innovation, and customer experience.

RESULTS

- Secure authentication for open-source software libraries and packages used to develop and deploy data science applications and machine learning models
- Easier provisioning and management of accounts for users across the enterprise
- Significant workflow improvements and efficiencies
- Enterprise-ready support for data scientists and engineers using Anaconda, Python, and other open-source tools



Since the Anaconda adoption, data scientists and IT managers have seen significant improvements in their workflows. “As I moved to Python and Anaconda, I found it easier to control my processes and play around with my code, which was previously a pain point for me,” says Senior Data Scientist Dinesh Singh.

Anaconda makes it easier to install open-source packages like PyTorch and TensorFlow on Windows machines, provides access to popular Python libraries like pandas and SciPy, and makes it easy to get support for Python-related frameworks like Jupyter Notebook.

“Anaconda plays a vital role in my day-to-day efforts to analyze data patterns and provide useful insights with minimal handshakes,” says Dinesh. Plus, Anaconda’s large community makes it simple for him to find answers or solutions presented by subject matter experts. All of these factors make it easier for Danske Bank to offer great-fit products to customers and the broader market in a timely manner. “Anaconda is our one-stop solution for the majority, if not all, data-science-related work,” Dinesh concludes.



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Dinesh Singh

Senior Data Scientist, Danske Bank



Approved Source for Packages, With Curation and Filtering for Vulnerabilities

IT managers at Danske Bank rely on Anaconda as an approved source for the packages data science and machine learning practitioners prefer to use, reducing the need for time-consuming manual vetting of packages and user provisioning. Most importantly, Anaconda's governance and compliance capabilities keep systems secure and ensure users are only accessing approved packages.

Anaconda's security capabilities allow the team to filter Common Vulnerabilities and Exposures (CVEs) based on status and vulnerability score, so only packages that align with internal security policies can enter workflows. IT Software Architect Muralidharan G. likes the ability to create separate channels for specific user groups to store packages and artifacts that have been mirrored, uploaded, copied, or moved. Muralidharan says he would recommend Anaconda to other IT managers for its repository, CVE curation, and package support.

As a result of the transition to open source and the support its teams receive from Anaconda, Danske Bank is better able to analyze data and build models that help get the right products in front of the right prospects at the right times. This supports the organization's overarching efforts to drive meaningful growth while streamlining and securing internal workflows.

To learn more about how Anaconda can centralize secure access to Python and data science tools and libraries, contact sales@anaconda.com.

With more than 35 million users, Anaconda is the world's most popular platform to develop and deploy secure Python solutions, faster. We pioneered the use of Python for data science, champion its vibrant community, and steward the open-source projects behind tomorrow's artificial intelligence (AI) and machine learning (ML) breakthroughs. Our solutions enable practitioners and institutions around the world to securely harness the power of open source for competitive advantage and groundbreaking discoveries. Visit anaconda.com to learn more.