

En automatisert reise fra datarom til sky

En analyse av automatisert migrering og fordelene med infrastruktur i skyen, fra kostnadseffektivitet til skalerbarhet

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Agenda: Migrering til Azure ved hjelp av IaC og automasjon

Introduksjon

Valg av oppgave

Valg av løsning

Teknologien som ble brukt

Fordeler og ulemper

Utviklingsprosessen

Videre arbeid

Spørsmål

Introduksjon

- Om oss
- Om Sopra Steria
- Beskrivelse av oppgaven

Valg av oppgave

Hvorfor valgte vi denne oppgaven?

Valg av løsning

Hvorfor ble Public Cloud, og ikke Hybrid eller private valgt?

Teknologien som ble brukt

Hvilke teknologier ble brukt?

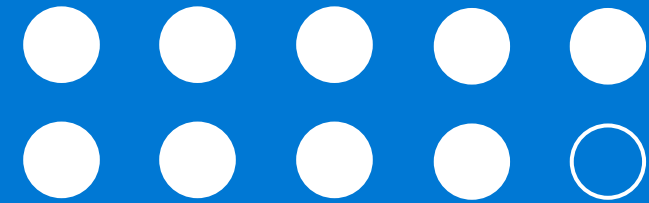
Fordeler og ulemper

Sentrale fordeler og ulemper

Operational benefits

Expedite operational capacity while
reducing IT overhead costs

- Gain efficiencies
- Raise reliability
- Add scale cost-effectively
- [Other operational benefits]



90 percent

Reduction in data center support
needs by Year 3.*

*The Total Economic Impact of Microsoft IaaS, a commissioned study conducted by Forrester Consulting on behalf of Microsoft, August 2019.
<https://azure.microsoft.com/resources/forrester-tei-microsoft-azure-iaas/>

Financial benefits

Reduce costs and enable
new revenue streams

- Save on datacenter and hardware leasing
- Avoid costs on license renewals
- Switch from capital expenditure to operating expense
- [Other financial benefits]



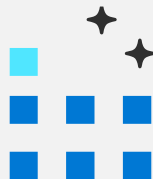
ROI of
478%
after Year 3.*

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Compliance and management benefits

Improve effectiveness of managing
regulatory challenges

- Increase the efficiency and productivity of managing compliance tools, the compliance environment, and auditing
- Reduce costs of compliance-related penalties
- Improve agility in responding to new and ever-changing national and international regulations
- Enhance the overall productivity of auditing and compliance teams as well as IT support
- Reduce the incidence of unplanned downtime and minimize the use of help desk



\$4.29 million/
year

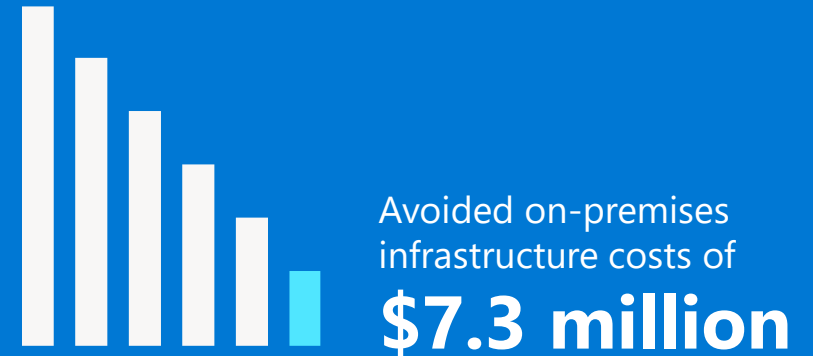
average value achieved by leveraging
cloud IaaS for compliance*

*IDC: Microsoft Azure Is Helping Organizations Manage Regulatory
Challenges More Effectively, May 2019

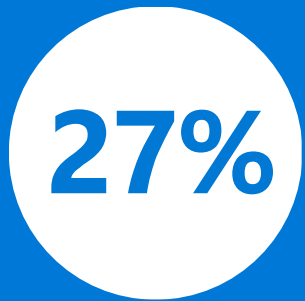
The impact of deploying Azure infrastructure

By avoiding on-site infrastructure costs, a deploy translates to a significant impact on our overall ROI.

- ROI of **478%** after Year 3
- Payback of less than **three months**
- NPV (Net Present Value) = **\$10.8 MM**



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more efficient IT
compliance environment
management teams

Key business value highlights:

24% more productive regulatory compliance teams

39% improved agility in responding to new regulations

35% lower costs of compliance-related penalties

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Moving infrastructure to Azure and its **impacts on compliance**

How we can manage regulatory challenges
more effectively

More IT organizations are seeing how moving infrastructure to the cloud can increase the efficiency and productivity of managing compliance tools, the compliance environment, and auditing.



44% more efficient
data recovery teams*

- **99%** reduction in lost productivity
- **66%** reduction in average data recovery time
- **76%** faster backups

Improve backup and disaster recovery with Azure

Disaster recovery as a service, delivered via the cloud, dramatically changes the economics of disaster recovery, making it both affordable and cost-effective for nearly every organization.

Moreover, organizations can ensure the survival of their data in the event of a disaster and can quickly reestablish application services using on-demand infrastructure.



Secure

Our data and apps stay secure.

Microsoft invests more than USD \$1 **billion annually** on cybersecurity research and development.

Microsoft employs more than **3,500 security experts** completely dedicated to your data security and privacy.

Azure has **more compliance certifications** than any other cloud provider. View the [comprehensive list](#).



Savings

We'll pay less with Azure. AWS is five times more expensive than Azure for Windows Server and SQL Server.

Ways in which we'll save:

- On our existing licenses.
- Reserve up-front and pay less.
- Extend our security updates for free.



Innovative

Empowering our business to achieve more

- Being future-ready, while simultaneously supporting current development
- No need for patching or upgrading; evergreen SQL stays up-to-date
- Gain agility, enhance performance, and operate at a global scale

[Komatsu](#) found that Azure is more secure because the service chain of the cloud includes extensive security measures.

Smithfield: Slashed datacenter costs by 60 percent and reduced new-application delivery from two months to one day.

"Being able to leverage so many off-the-shelf services and tools from Azure enabled us to go from zero to a full-fledged e-commerce marketplace in just about 12 months."

[Jet.com](#)

Hvordan flytte til skyen?

Planlegging og overordnet prosess

Hvordan tjenester videreføres i Azure.

Hvorfor? Hvilke fordeler får vi?

Hvordan gjennomføres dette?

Utviklingsprosessen

Hvordan gikk man fram for å utvikle ARM templates, script, osv.

Videre arbeid

Anbefalinger for videre arbeid, hva ville vi ha sett nærmere på?



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