

IBM i in Business Around the World

Platform for Innovators,
By Innovators

Steve Will
IBM i Chief Architect



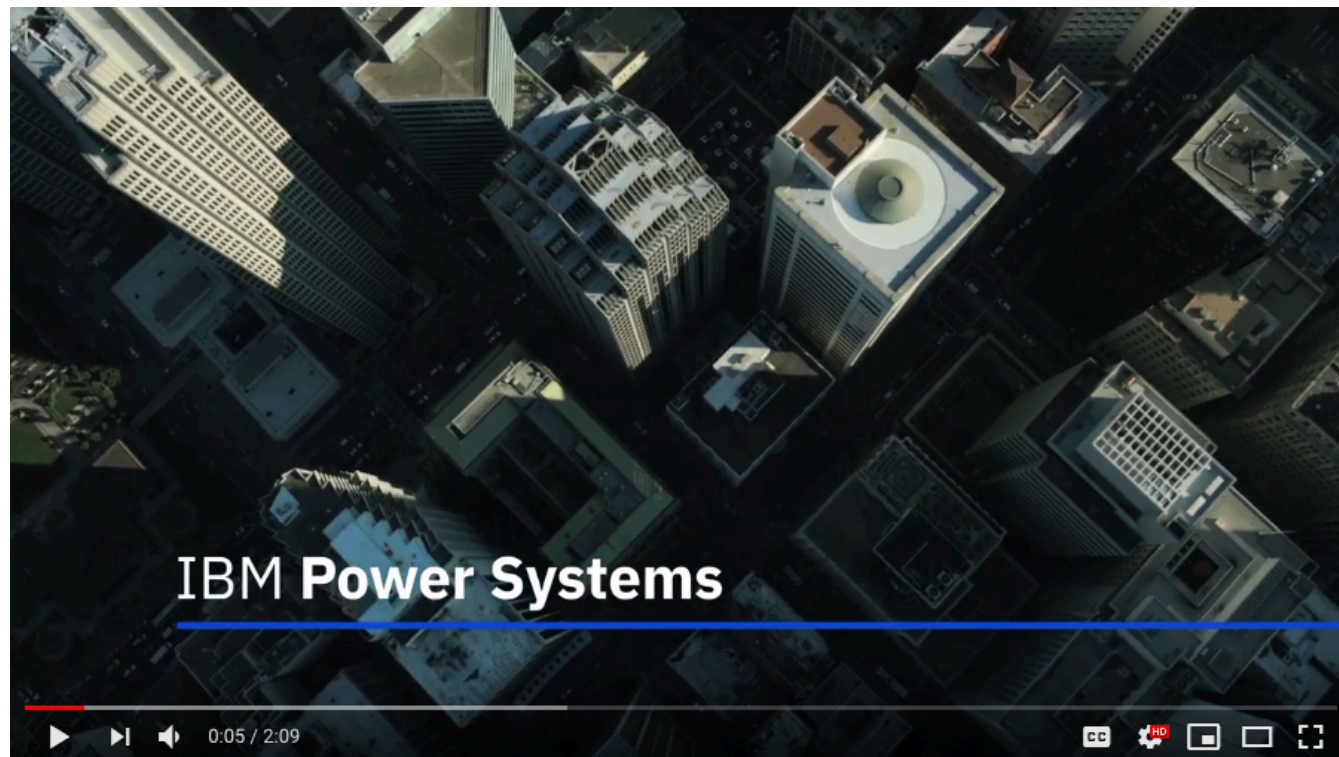
IBM

IBM i Business Today



IBM Power Systems

IBM i 2018 Double Digit Growth



[Link](#)

IBM i 2019 - <https://www.ibm.com/it-infrastructure/power/os/ibm-i>

IBM i: A platform for innovators, by innovators

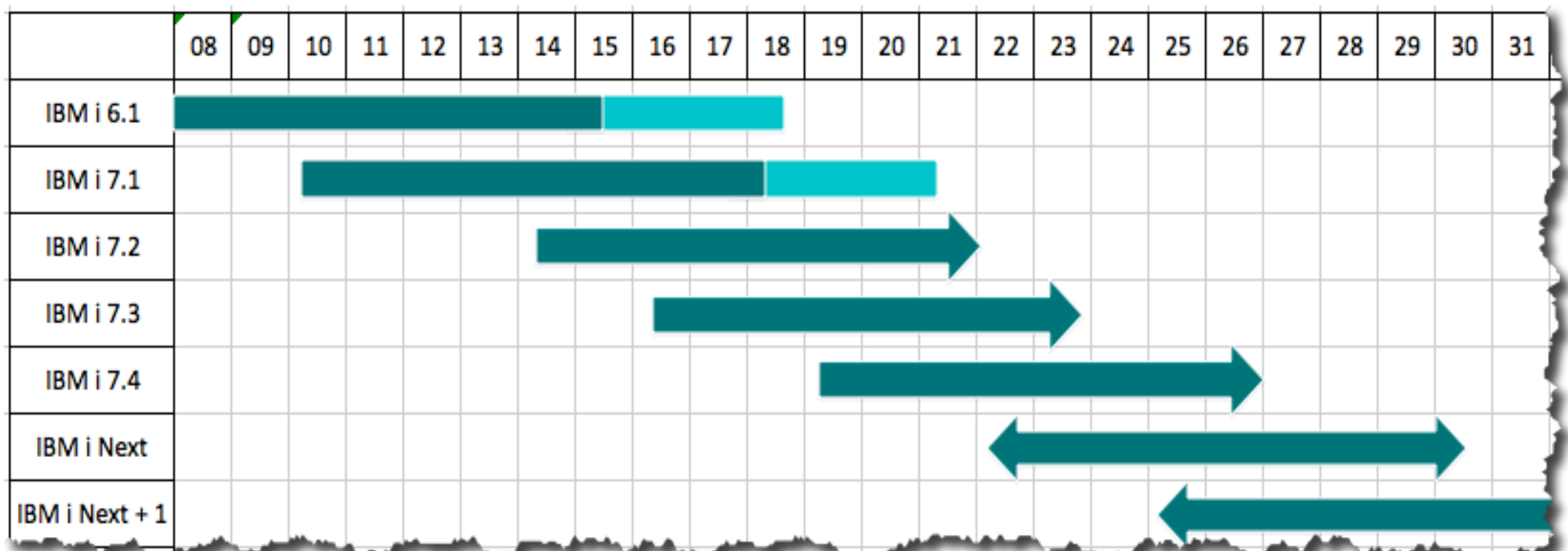
IBM i never stops innovating with new features so that you never have to stop innovating your organization.

IBM i Release Roadmap



** All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.
** Arrows indicate "ongoing status and do not imply any specific dates."

IBM i Support Roadmap



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A Platform of Innovation



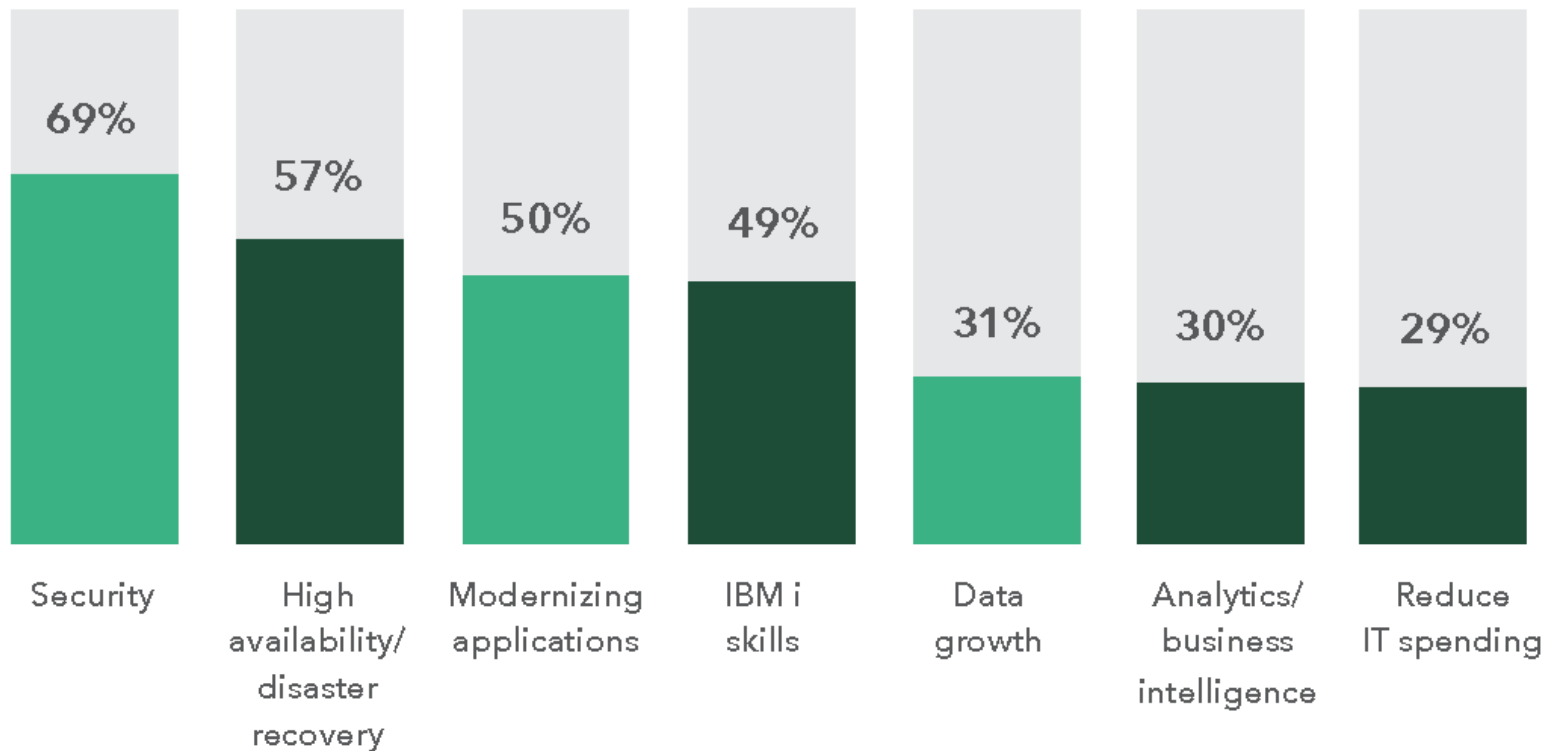


IBM i 7.4 – Innovation Responds to Client Needs



Top IT Concerns – HelpSystems 2018 Survey

What are your top concerns as you plan your IT environment?



IBM i Strategy

Power Solutions

- Enable clients to exploit **latest POWER technology**
- Enable clients to transform their customer experience
 - **Mobile, Internet of Things, Cognitive, Machine Learning and AI**
- **Enable Solution Developers** to implement the latest technologies

Addressed in 7.4 announcement

Open Platform for Choice

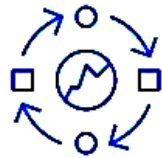
- Grow IBM i solutions options including **open source languages and applications**
- Extend IBM i solutions portfolio with Linux and AIX application choices
- Provide flexible **solutions options for Cloud and MSPs**

The *Integrated* Promise of IBM i

- Deliver a simple, high value platform for business applications
- Provide exceptional **security** and **resiliency** for critical business data
- Leverage **IBM systems, storage and software** technologies

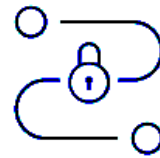
IBM i 7.4 from the IBM i home page

The latest IBM i features



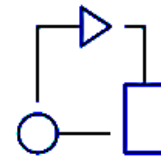
Availability

- IBM Db2 mirror provides continuous availability
- Near zero downtime
- Get work done 24 hours a day, 7 days a week, 365 days a year



Security

- Enhanced security features implement latest industry standard practices
- Protect critical business applications and data
- New auditing capability at the Object level



Open Source

- Industry standard Open Source environments
- Port more applications to IBM i
- Easily integrate with IoT, AI and Watson

Requirements in Banking (& Finance, Retail, Healthcare ...)



IBM Db2 Mirror for i

Operating System Synchronous Replication

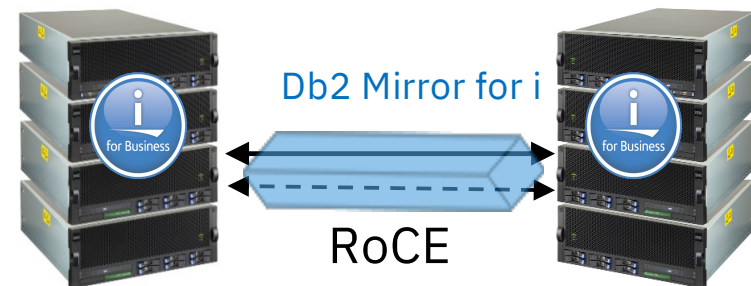
Continuous Availability

24 x 7 Up Time; RTO/RPO Near Zero

Rolling Upgrades

IBM Db2 Mirror for i (5770-DBM)

External Storage at GA; Statement of Direction for Internal Storage



POWER8 or later & IBM i 7.4

China Merchants Bank



Svenska Handelsbanken AB - Sweden



Pervasive Security

- New “view” in Authority Collection
 - Based on object vs user
- New Communication Protocols
 - TLSv1.3 higher encryption
 - SNMPv3 trap and inform messages
 - JTOpen
 - SMB3
- Access Client Solutions and RDi
 - Uses newest secure protocols
- Password rules enforced
 - DST and SST passwords – apply 27 rules
- Digital Certificate Manager increases automation



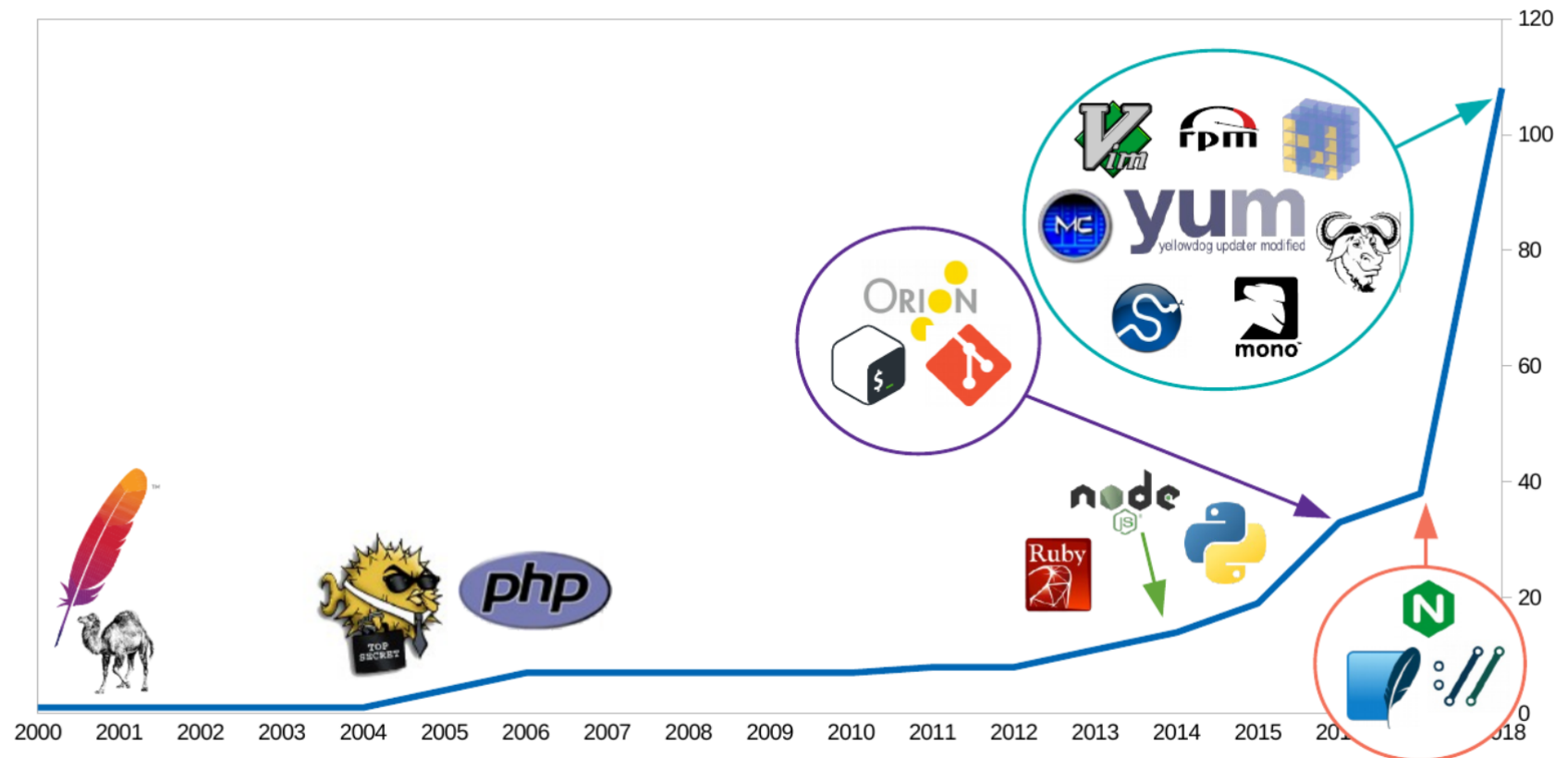
Open Source



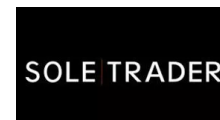
- Node.js v10 and updated Python packages
- Midnight Commander
 - 2-pane file manager
- R
 - Language for analytics and statistical computing
- vim
 - Popular terminal based editor
- Active MQ
 - Open source message broker



Growth of Open Source



IBM i Clients – 45+ Stories of Innovation



Internet of Things – Sensors and More



Norwegian Air Ambulance - Norway



27 C



Mostly Cloudy

Wind: W at 6 mph

Humidity: 79%

Robotics



Brødrene A&O Johansen A/S - Denmark



Precise and Sensitive Robotics



Cras Woodshops – Belgium – Future Robotics TODAY!



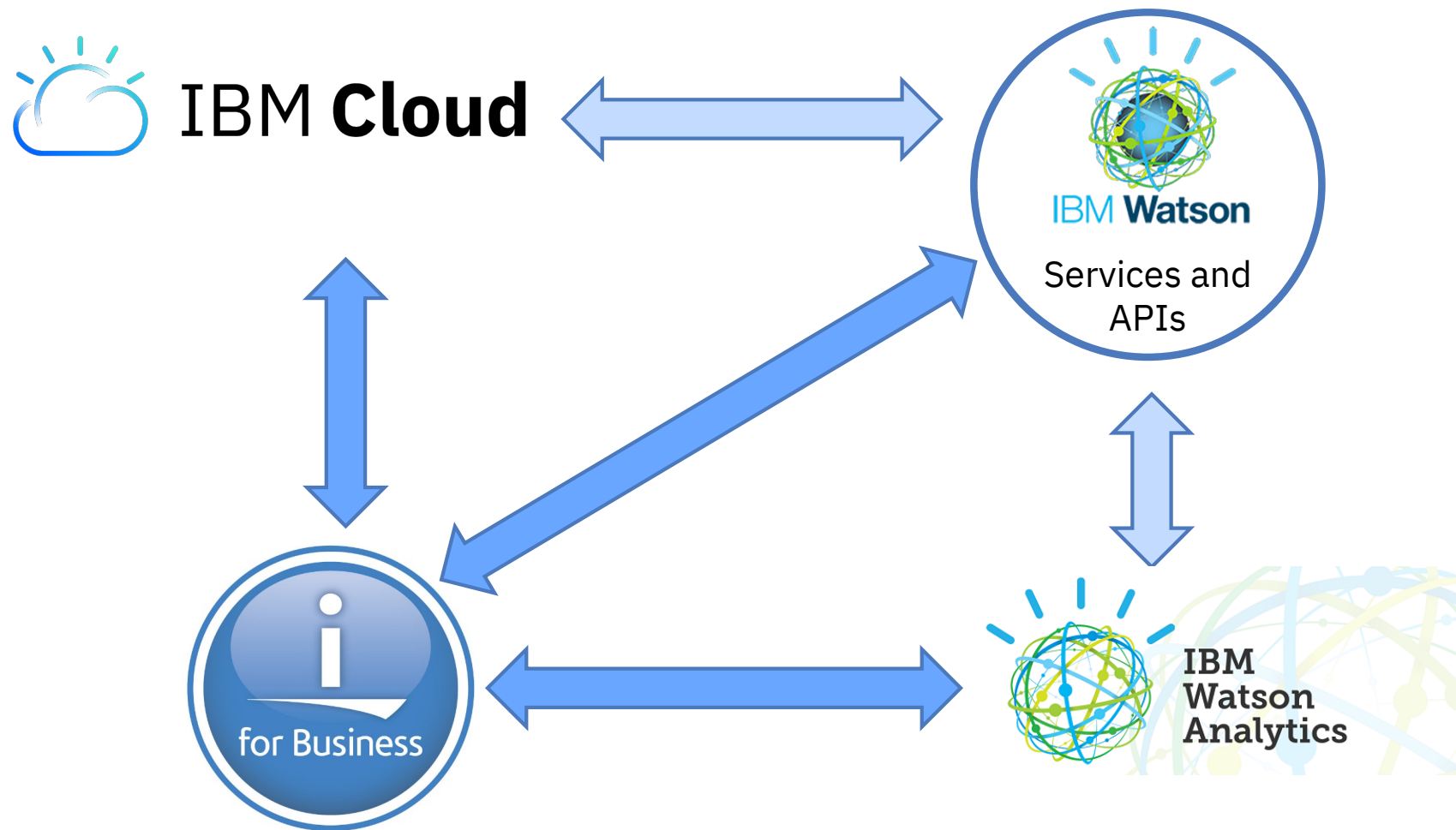
New Workloads: Machine Learning, AI and more



Mixing Multiple Technologies to Extend Business Value



IBM i & Watson



Robertet - France



Machine Learning and IBM i



Getting Started with Machine Learning and IBM i

The emerging realm of AI and Machine Learning can bring seemingly-limitless opportunity for your enterprise (and perhaps even mankind). How can you leverage these new technologies from IBM i? This session will provide an overview of what technologies you can be using from your IBM i today. We will cover various AI/ML packages available to run on the system, as well as the cloud-based capability of IBM Watson. After all, IBM i has always been a data-centric platform. Surely, Db2 for i houses mission-critical and intensely valuable data. Coupling AI and ML with this data can bring an unprecedented amount of innovation.

The Cloud

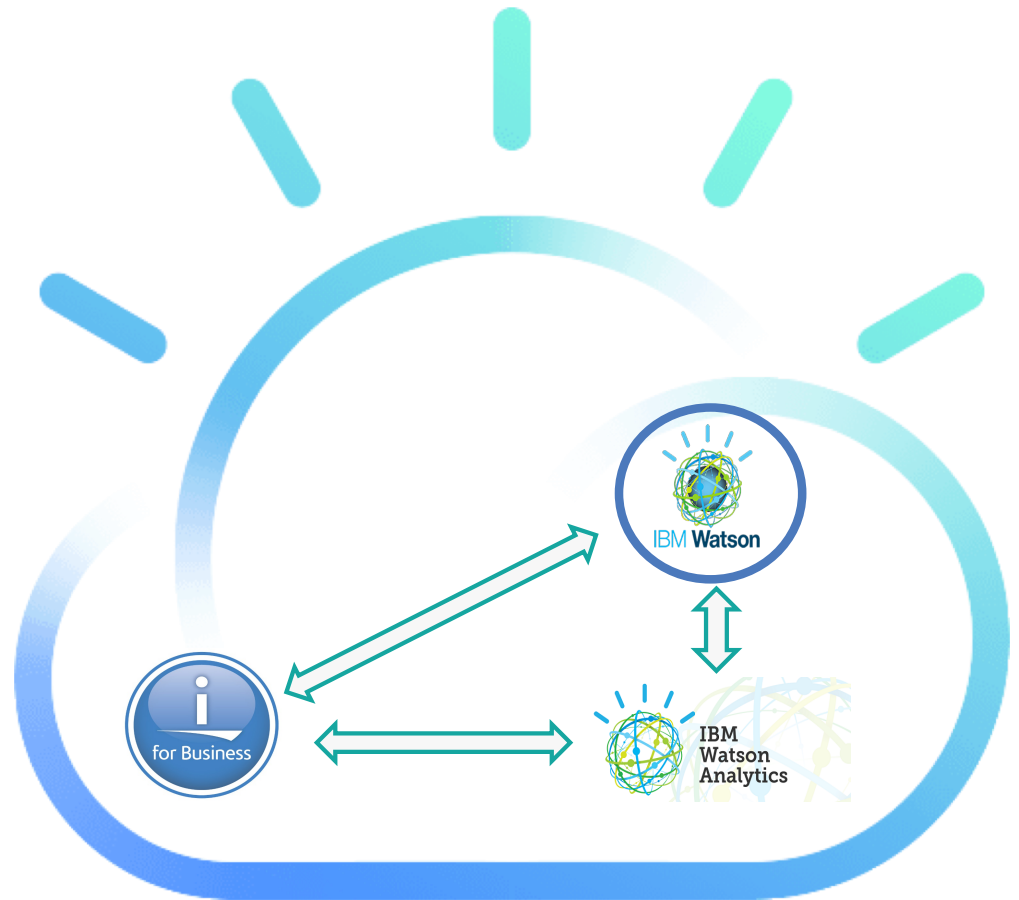


Steffimmo - Belgium

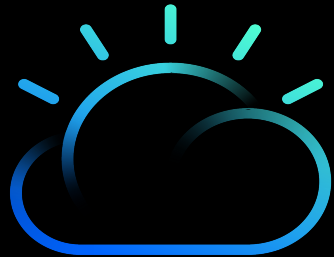


IBM i & Cloud Journey

- Customers considering Private, Hybrid and 100% cloud solutions where IBM i would be closer to the APIs that IBM Cloud delivers
- Enabling IBM i to be provisioned as a Cloud service allows the flexibility and scalability of the Cloud to be extended to IBM i
- SaaS ISVs looking to exploit an x86/Power architecture in the Cloud with micro services connecting them together
- Enabler for IBM i born on the Cloud applications



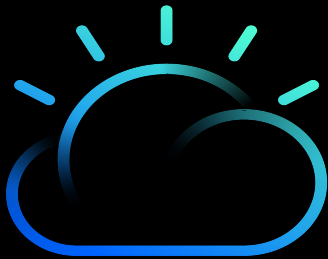
Cognitive Systems for hybrid multicloud



IBM Cloud



Partner Clouds



**IBM Cloud
Private**

vmware®



OPENSIFT®
by Red Hat®

Use Terraform Templates to Automate IBM i Configuration

Publish the service by putting different templates together in a working flow.

The screenshot displays the IBM Cloud Automation Manager interface. The top navigation bar includes the IBM Cloud Automation Manager logo, 'Docs', 'Support', and a user profile icon. The main content area is titled 'i-nodejs-setup' and features tabs for 'Overview', 'Composition', 'Parameters', 'Plans & Form', and 'Source Code'. The 'Composition' tab is active, showing a 'Provision' flow diagram. The flow starts with a 'VM size' decision node, which branches into 'small' and 'medium' paths. Each path leads to a 'template_ibmi_nodejs' template node. The 'Primary Flow' is described as 'This flow is initiated when the user initially requests the service.' The 'Error Flow' is described as 'This flow is initiated when the primary flow goes into error condition.' On the left, a sidebar lists 'Flow Components' (Decision, Notification, Integration) and 'Helm Charts' (IBM Cloud Private (132), Templates (29)). On the right, a panel for 'template_ibmi_nodejs_d392d8' is open, showing 'Basic Information' and 'Parameters'. The 'Parameters' tab lists input parameters and their values.

INPUT PARAMETERS	VALUE
<u>image_name</u>	ibmi-qciuser
<u>flavor_name</u>	lj-medium
<u>network_name</u>	net50
<u>ibmi_vm_name</u>	m-nodejs

Catalog

no|

i-nodejs-setup
 service
 Setup a node js environment.

IBM
 As|
 for

ation ▾ Repositories ▾ [Reset all](#)

ibm-block-storage-attacher
 ibm-charts-public
 A Helm chart for installing ibmcloud block storage attacher. This is used for attaching the pre-created block volumes on the wo...

ibm-mongodb-dev
 ibm-charts
 NoSQL document-oriented database that stores JSON-like documents with dynamic schemas, simplifying the integration of

Runtimes & Frameworks

DSM deployed per namespace,

plugins to support building, deploying and

What Will the Future Bring?



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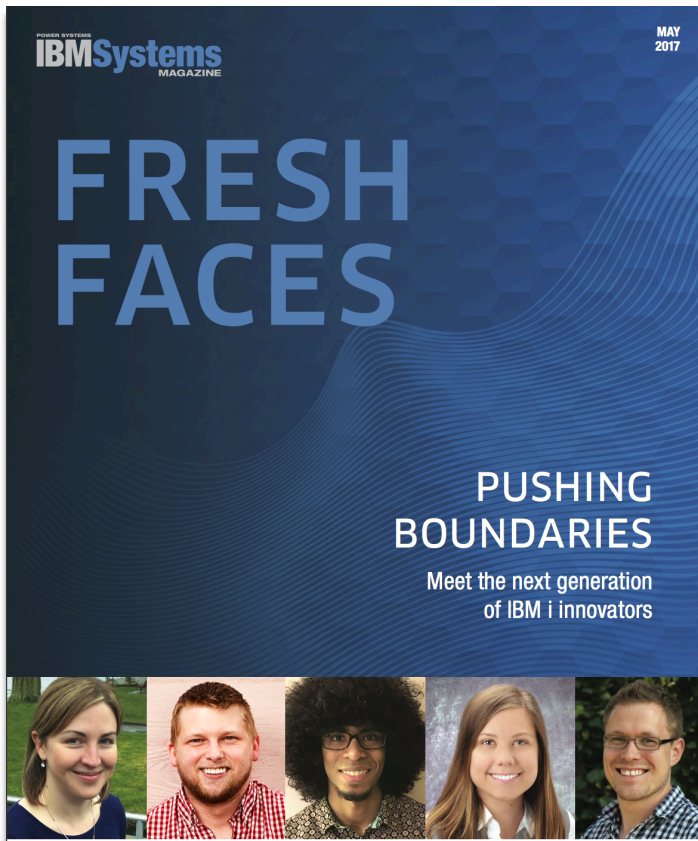
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Fresh Faces of IBM i – Joining a Community of Innovators



New Talent Brings Innovation to IBM i

June 2019 | by Brett Martin



<http://ibmsystemsmag.com/power/trends/whatsnew/new-talent-brings-innovation-to-ibmi/>

You and i *IBM i Trends and Strategies*



By Steve Will



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Fresh Faces in IBM i Development

August 14, 2018

Last week I wrote the blog I had to write. This week, I get to write the blog I've been wanting to write for most of the summer.

Last week was important, for sure: an announcement about [Technology Refreshes](#) and the big POWER9 systems. It's part of our communication strategy that I write a blog for announce day.

This week, the story is more strategically important—plus, it's just fun!

<http://ibmsystemsmag.com/blogs/you-and-i/august-2018/fresh-faces-in-ibm-i-development/>

Fresh Faces in IBM i Development – the newest Innovators





What is your next innovation with IBM i?





obrigado

Dank U

Merci

mahalo

Köszí

спасиби

Grazie

Thank
you

mauruuru

Takk

Gracias

дякую

Děkuju

danke

Kiitos

