

Acquiring and Retaining Talent...



Handle skill shortage: Simplify, Automation and increase Productivity...

The Al journey...



Understand and Predict

Generate

Machine Learning



Find patterns in data and build predictive apps

Natural Language Processing (NLP)



Evolving ways of understanding text and speech to build natural language apps

Hey Google! Alexa, ...

Computer Vision



Extract information from images and video to build unique solutions

Generative Al



Generate human-like responses based on natural language input and execute cognitive tasks







Data, Advanced Analytics & Al

2000

2010

Big Data

Chatbot / virtual assistant

2020

2022

Large Language Models (LLM)

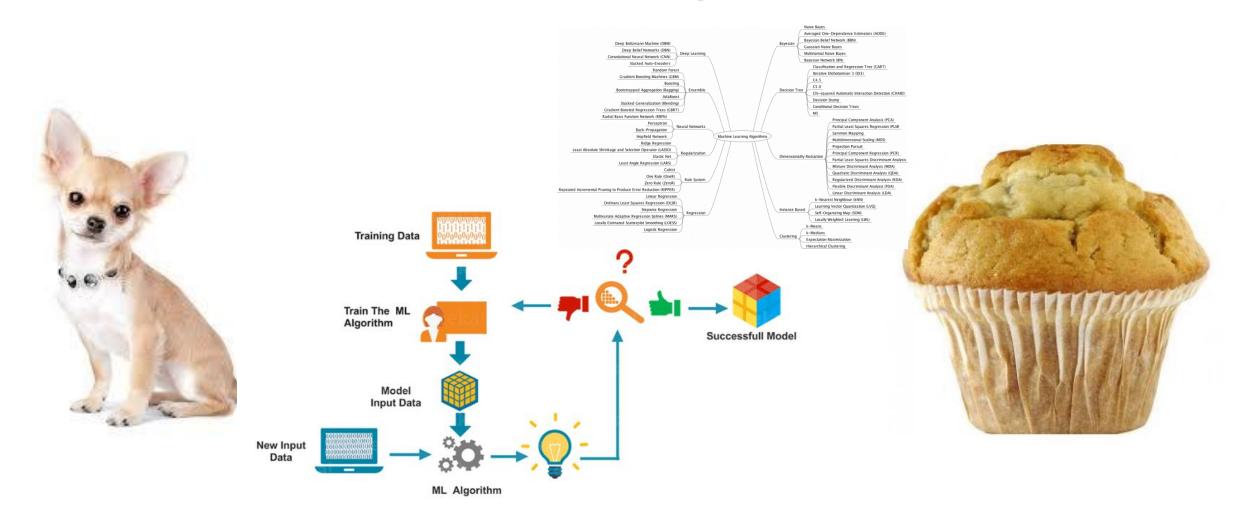
Predictive analytics

AlOps



Al & Machine Learning It all starts with training Al Models





Is it a Dog or a Muffin? How difficult is this algorithm?





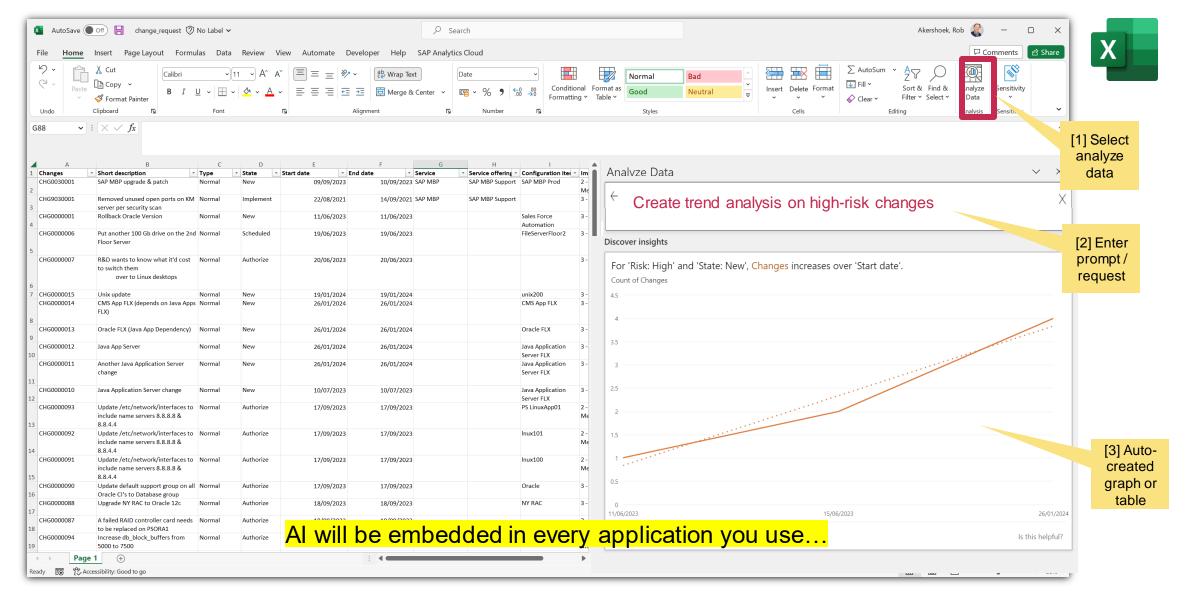
Deep learning and neural networks to recognize patterns ...

Training your Al Model: Is it a Dog or a Muffin?





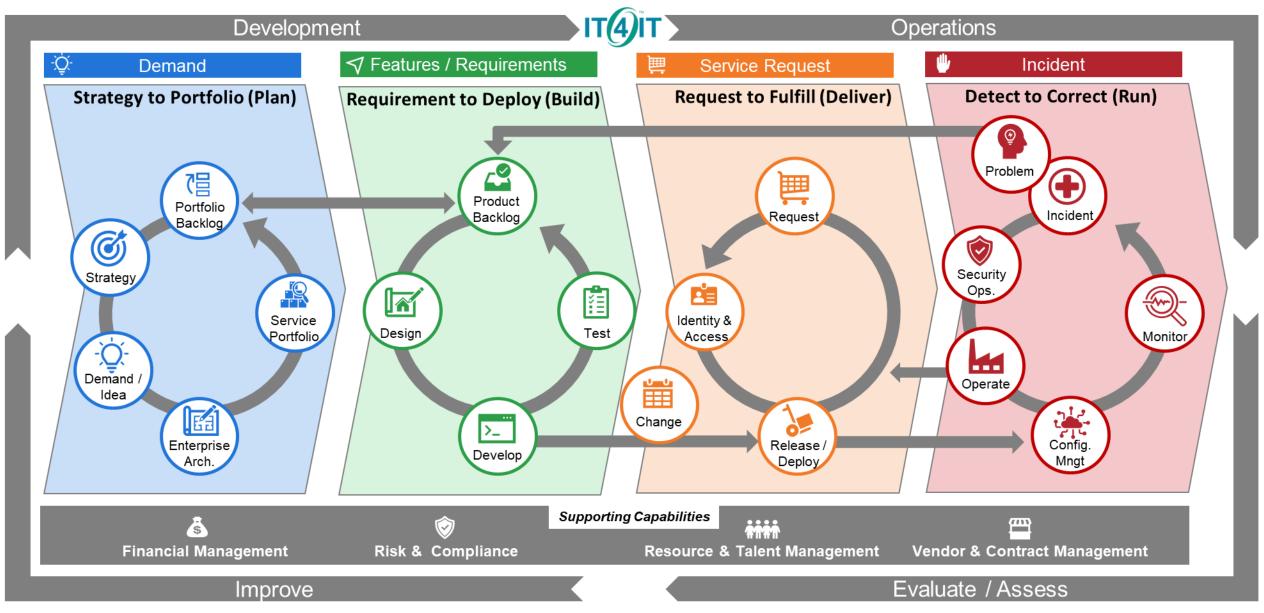
All applications will have embedded Al...For example MS Excel





How can Al be used for IT Management?

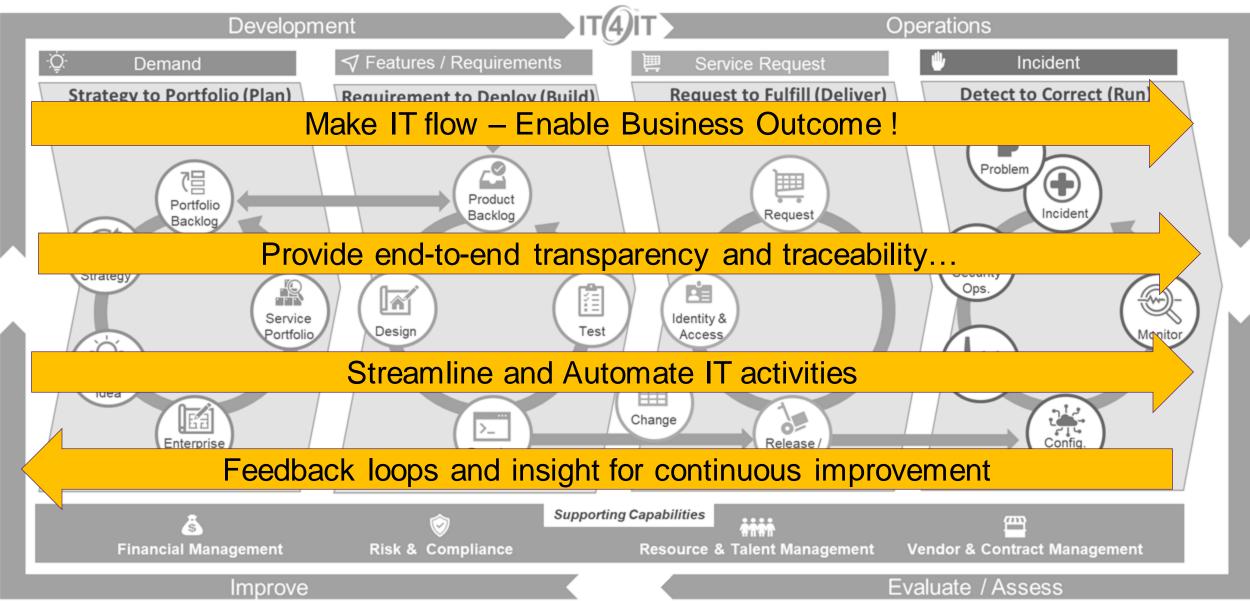






Make IT Flow...

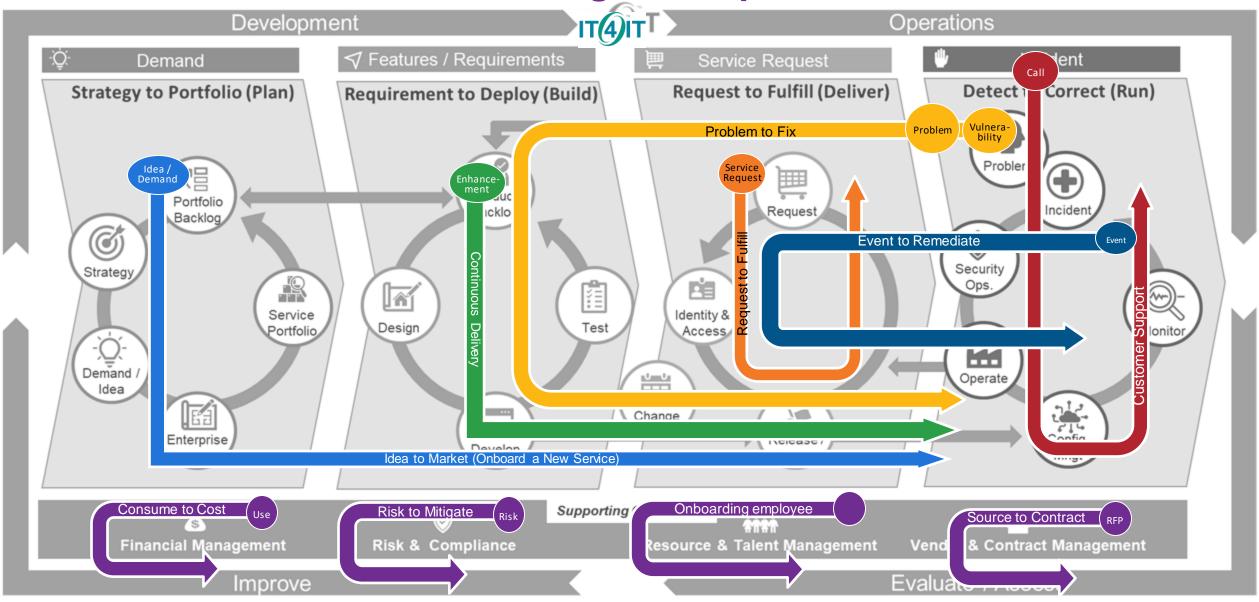




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All You Need is Flow...Connecting all the parts...



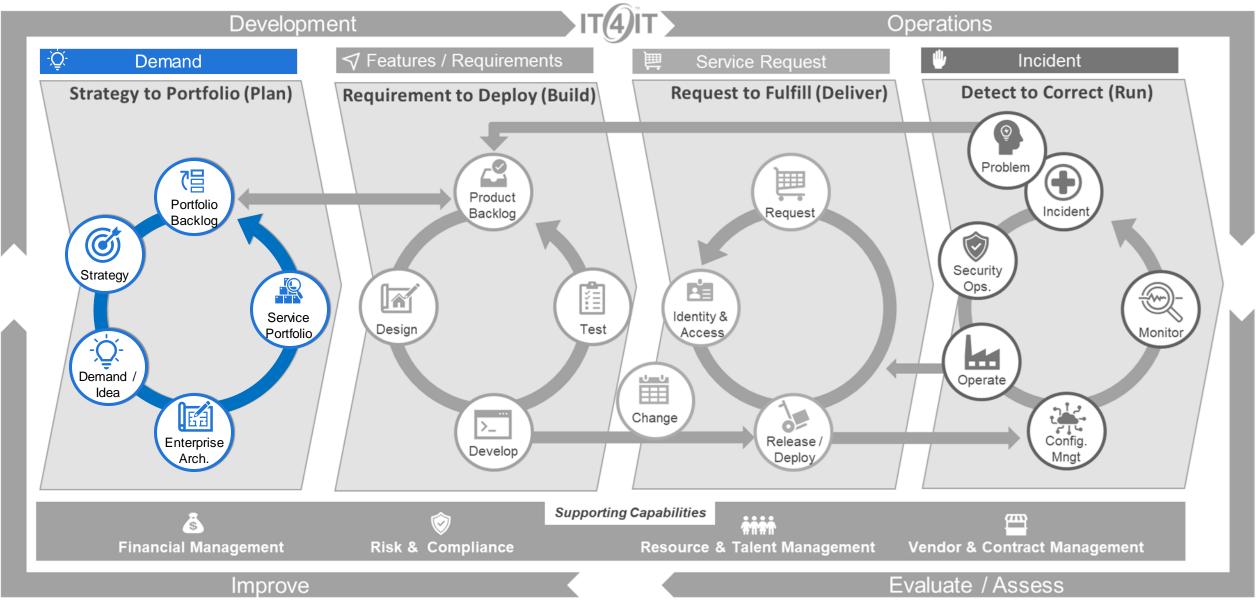






Strategy to Portfolio: Continuous Evaluation and Planning...

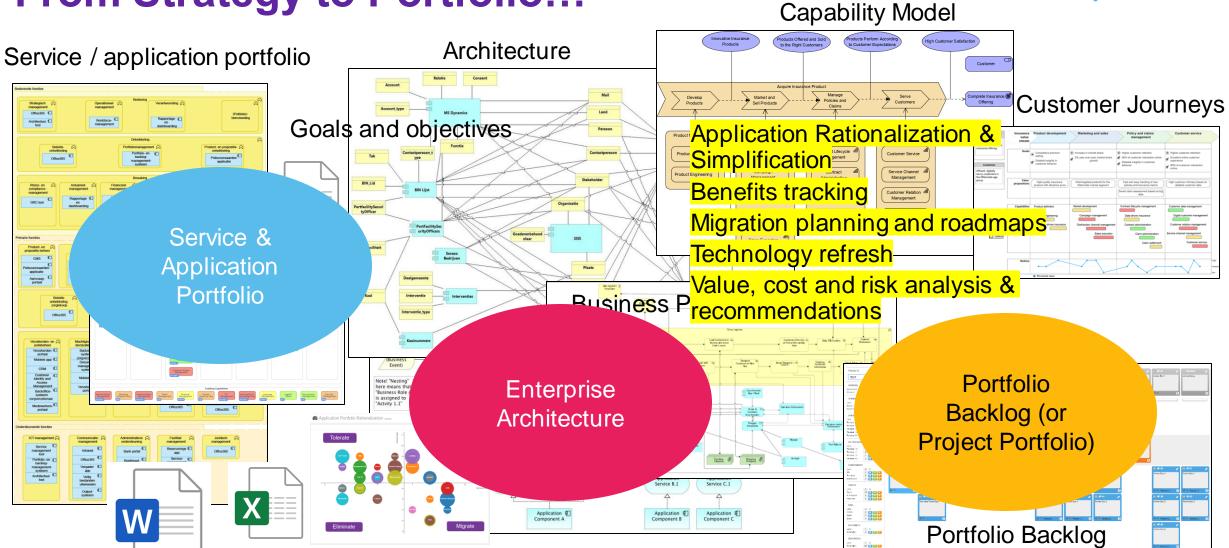




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From Strategy to Portfolio...



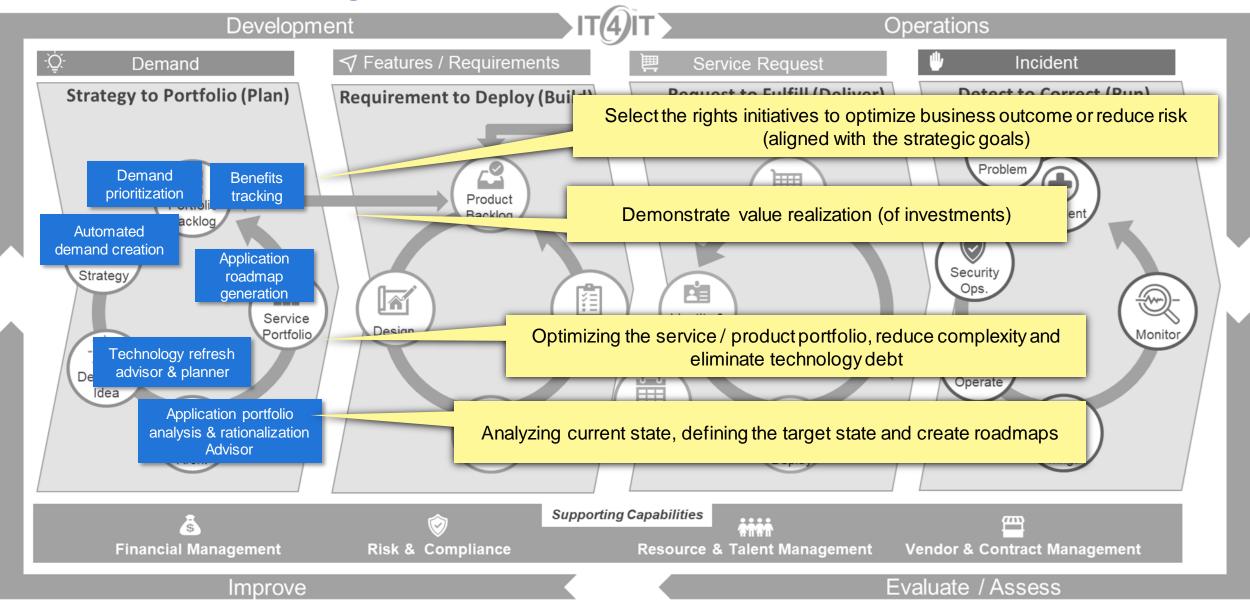


Understand value, risks, costs and user experience...gaps...and roadmaps...



Al in Portfolio Management...

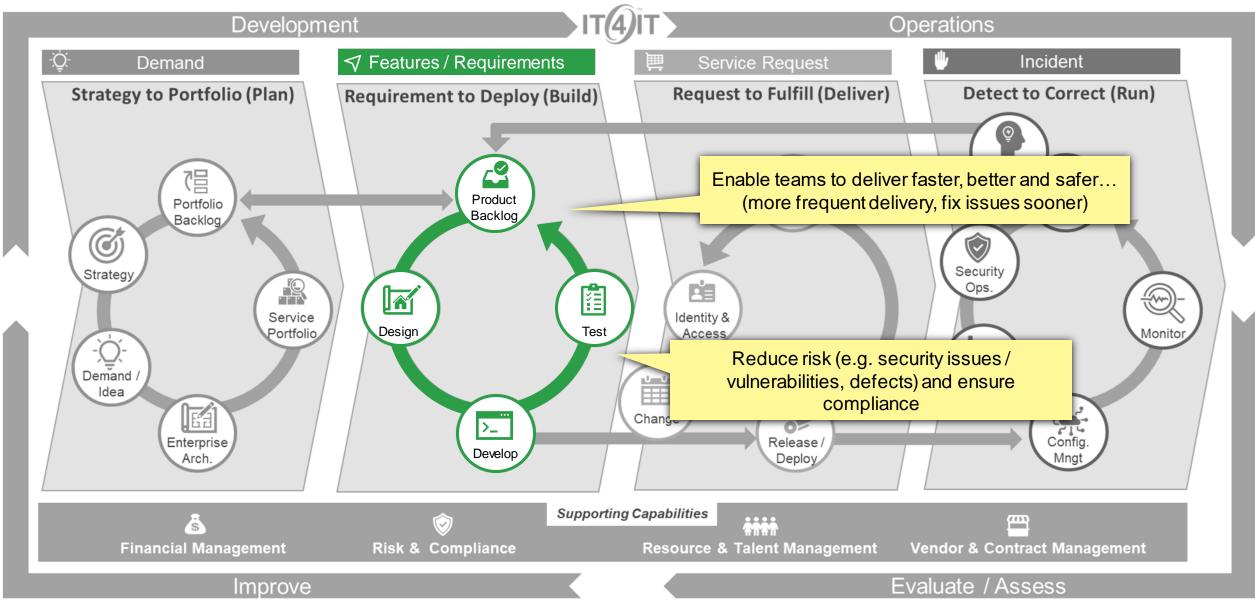




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Develop and Maintain IT services / Products....

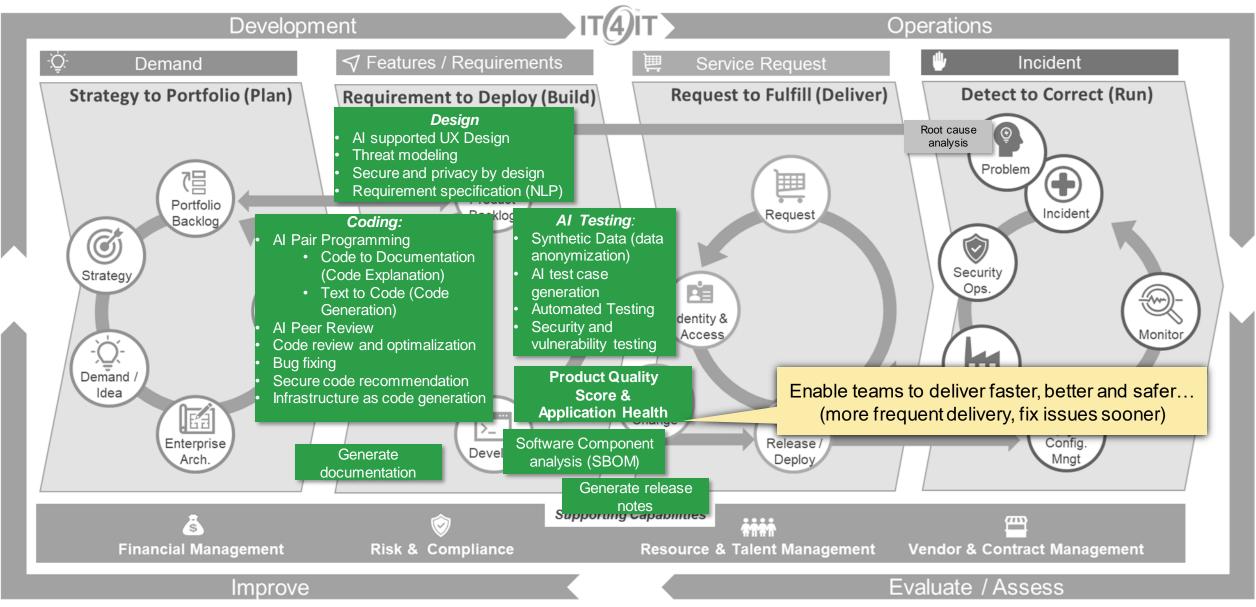




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Integrating Al into Service / Application Development...





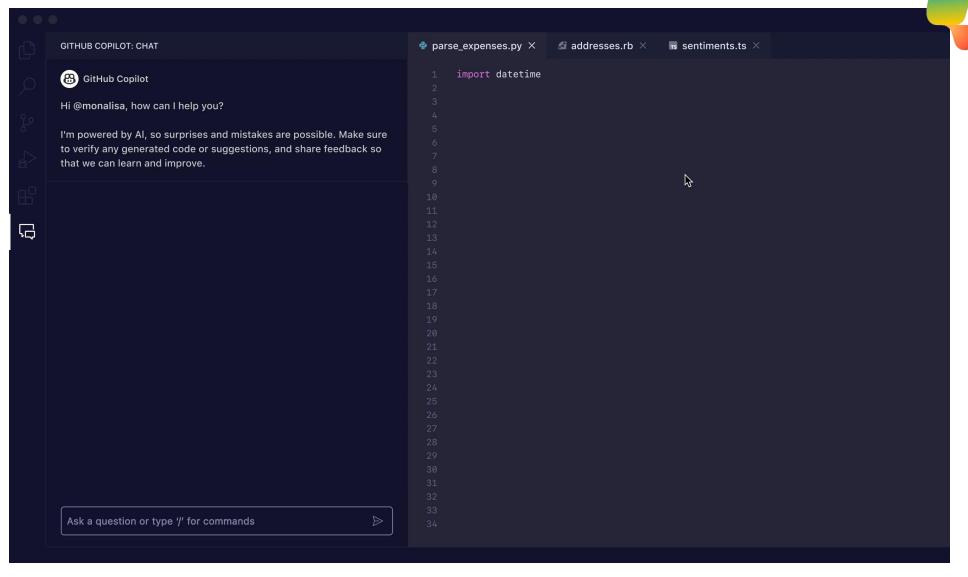
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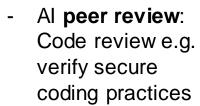
Microsoft / GitHub CoPilot – Al Pair Programming



```
0 references | 0 changes | 0 authors, 0 changes
           public static void CreateTables()
                using (var context = new TaskContext())
                    context.Database.ExecuteSqlRaw("CREATE TABLE tasks (id INT PRIMARY KEY, title VARCHAR(50), priority INT)");
45
46
476
                                                                                 Auto complete (and suggestions)
                                                                                 Bug fixing support
                                                                                 Al generated test cases
                                                                                 Create code based upon functional requirements
                                                                                 Code quality checks (including secure coding practices
```

Al Assisted Testing & Quality Assurance

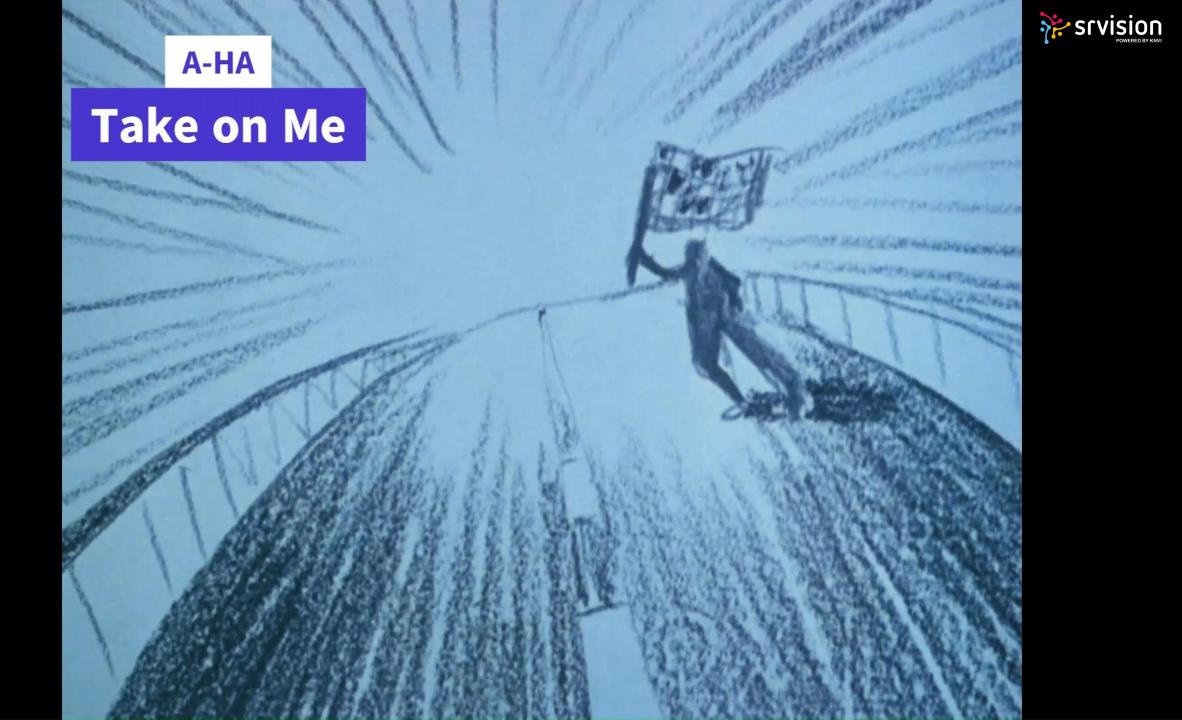




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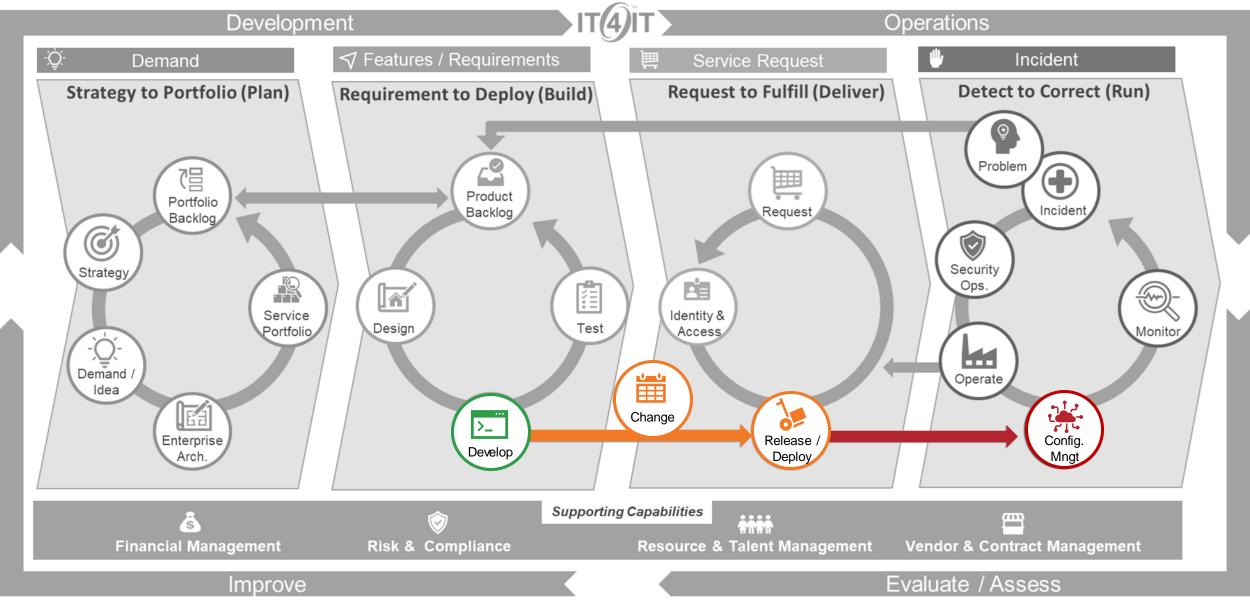
- Code quality checks
- Create and perform unit tests
- Create test data (synthetic data), anonymize production data
- Recommend code fixes and optimalisation

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Change/Release and Update the CMDB...



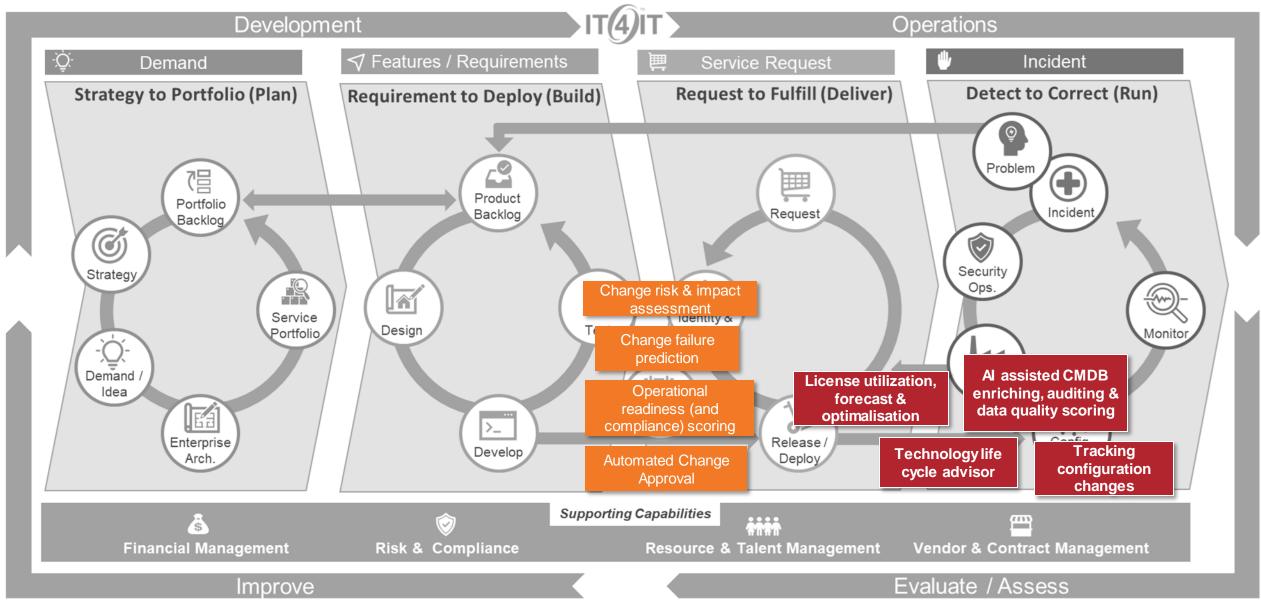


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Al in Change/Release and Configuration Management



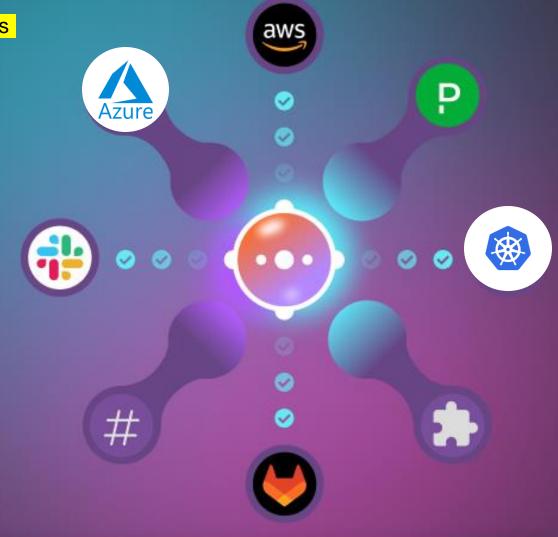




Create infrastructure design, and configure cloud resources you need for your application....

Use ChatGPT to create your infrastructure

What if you had unlimited access to a Staff Engineer who could perform any task, or answer any question for your internal systems, 24 hours per day, 7 days per week? And what if this freed you up to do the work you wanted to do?

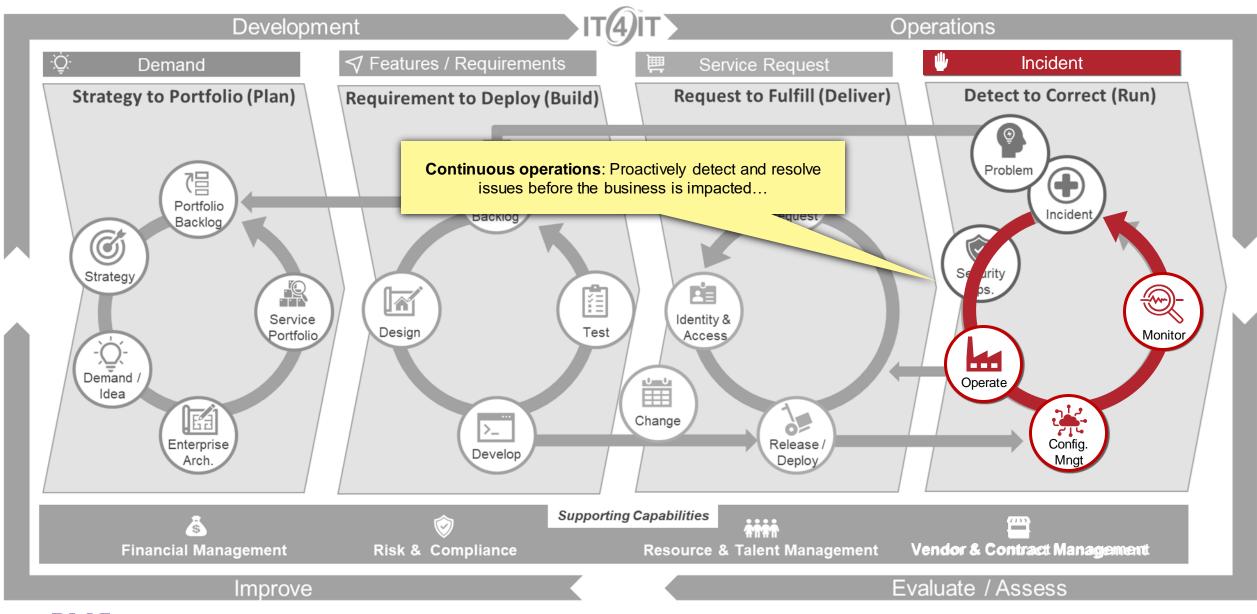




Deploy a web server and database for my application...

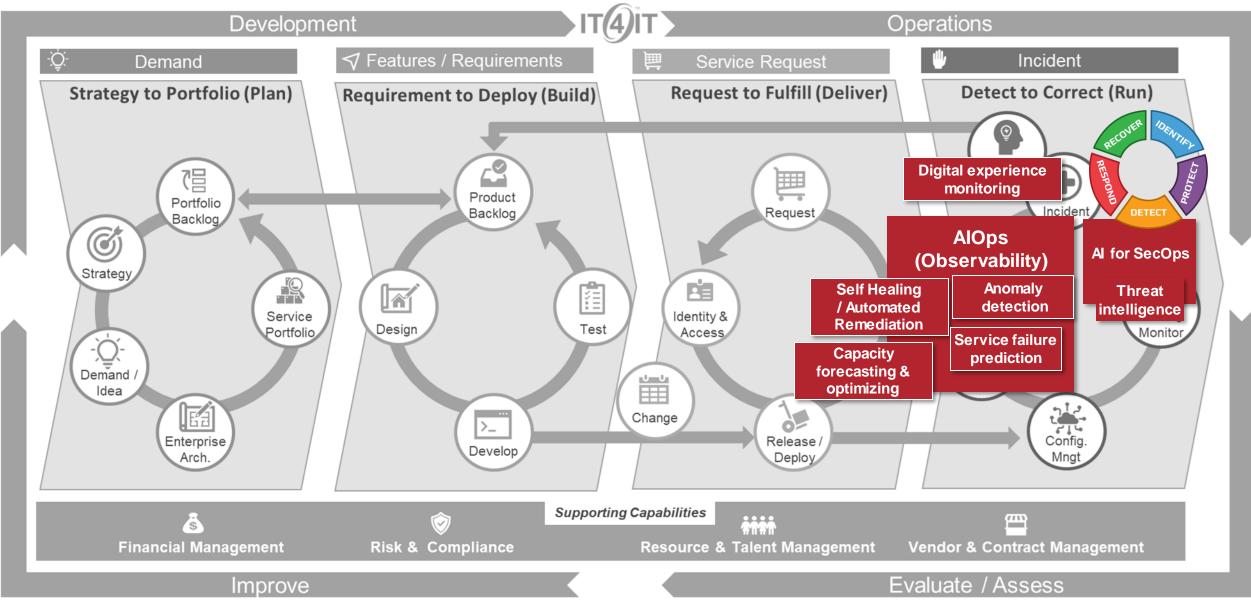


Detect to Correct: Monitoring & Observability



Detect to Correct : Al in Monitoring / Observability....

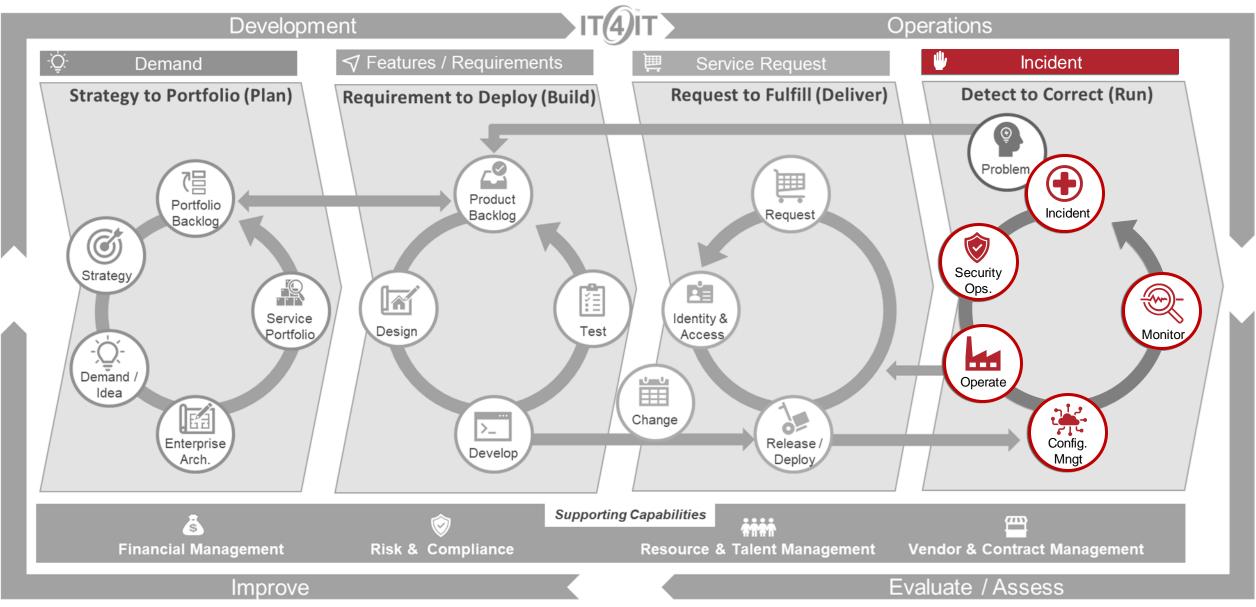






Detect to Correct

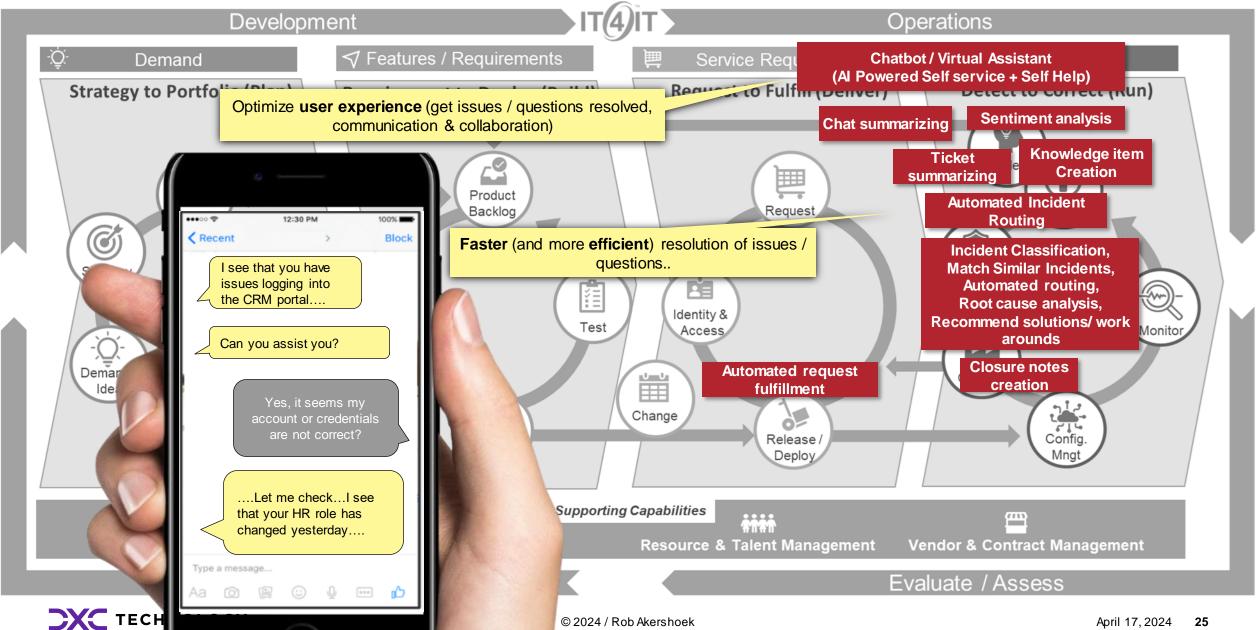


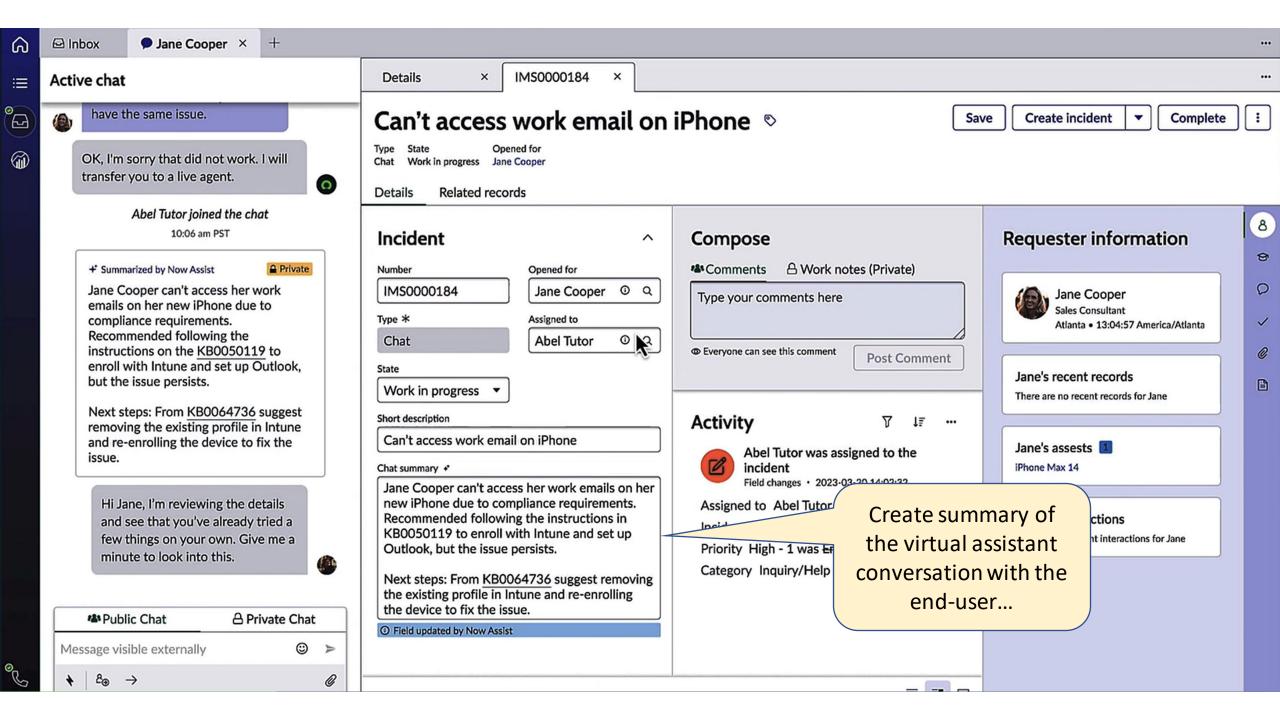


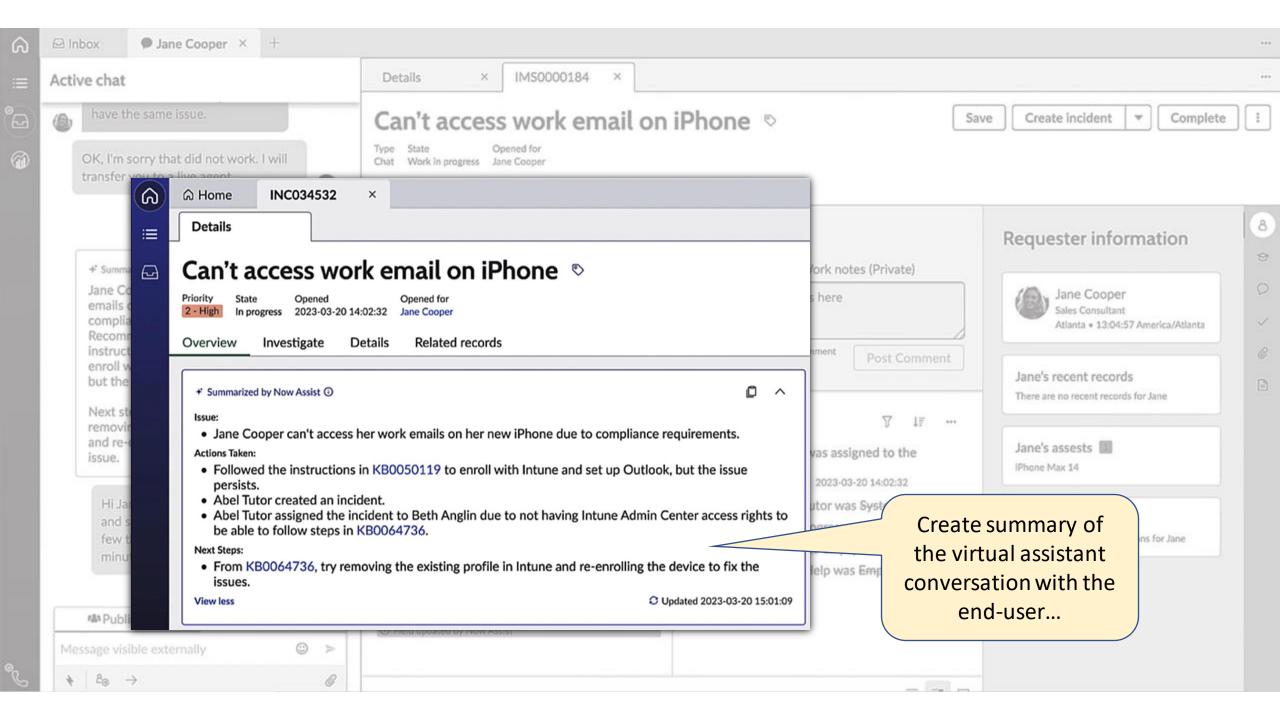
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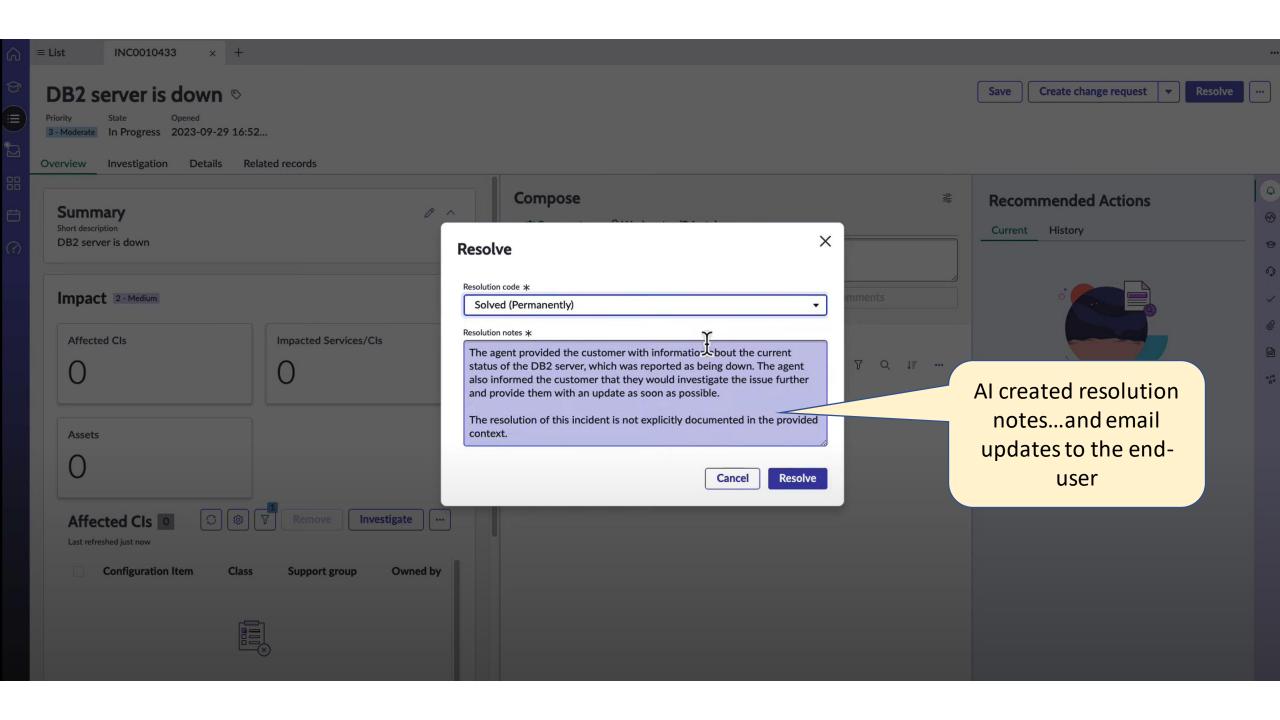
Al for the Front Door of IT and Service Support





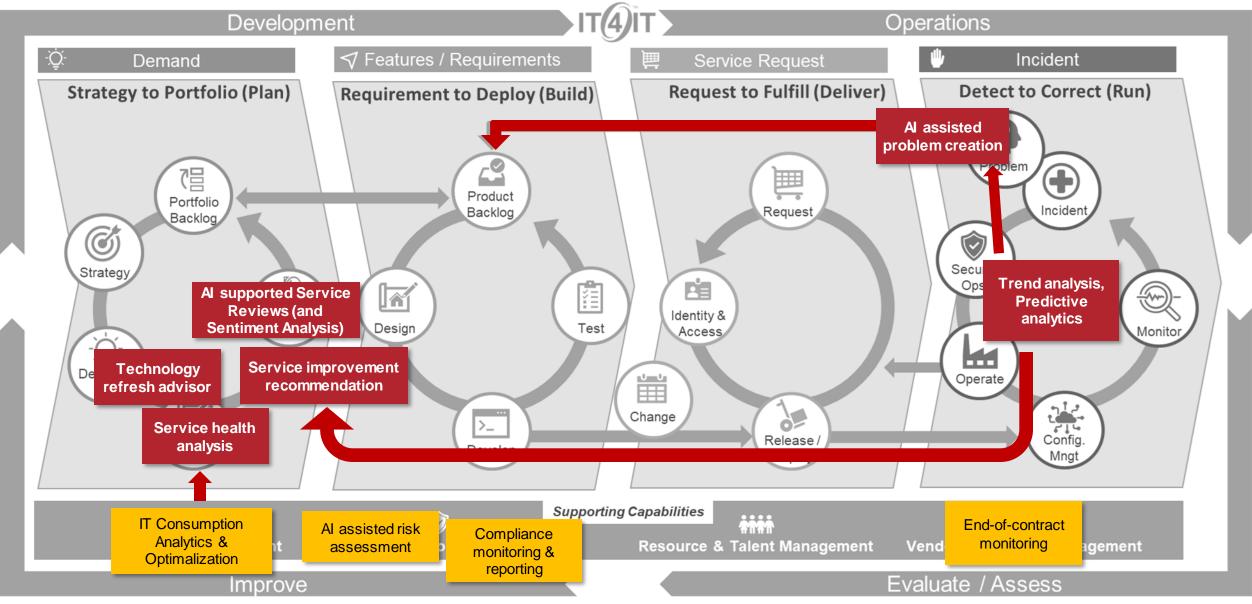






Continuous Evaluation & Improvement...

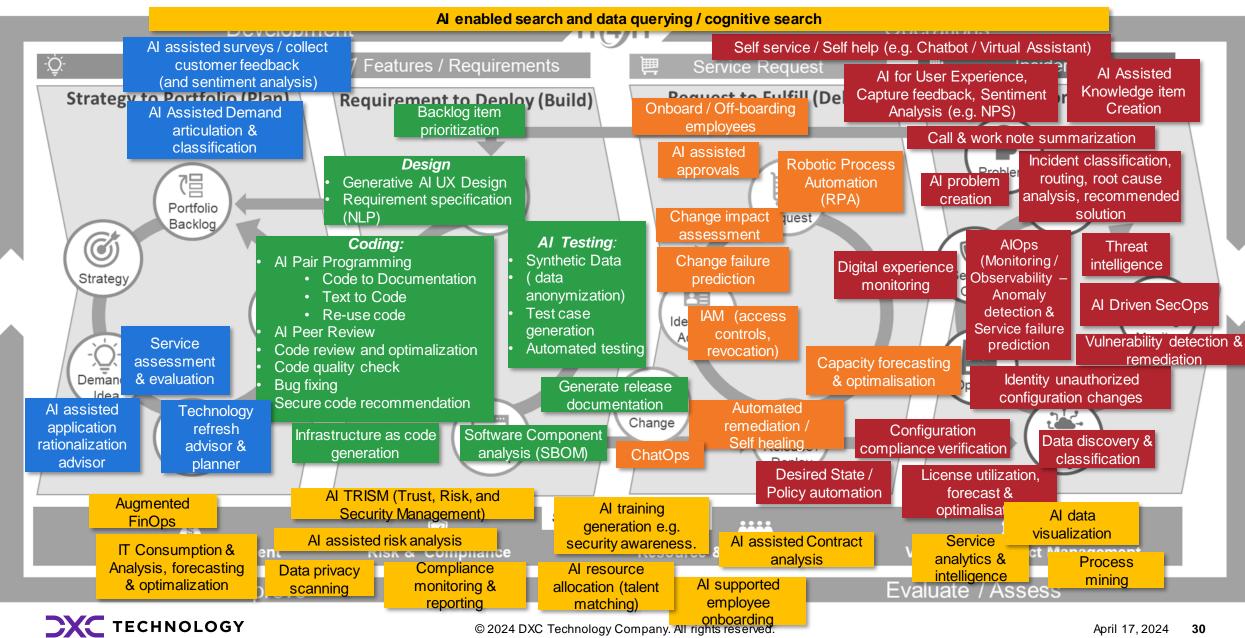




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How does Al revolutionize ITSM?



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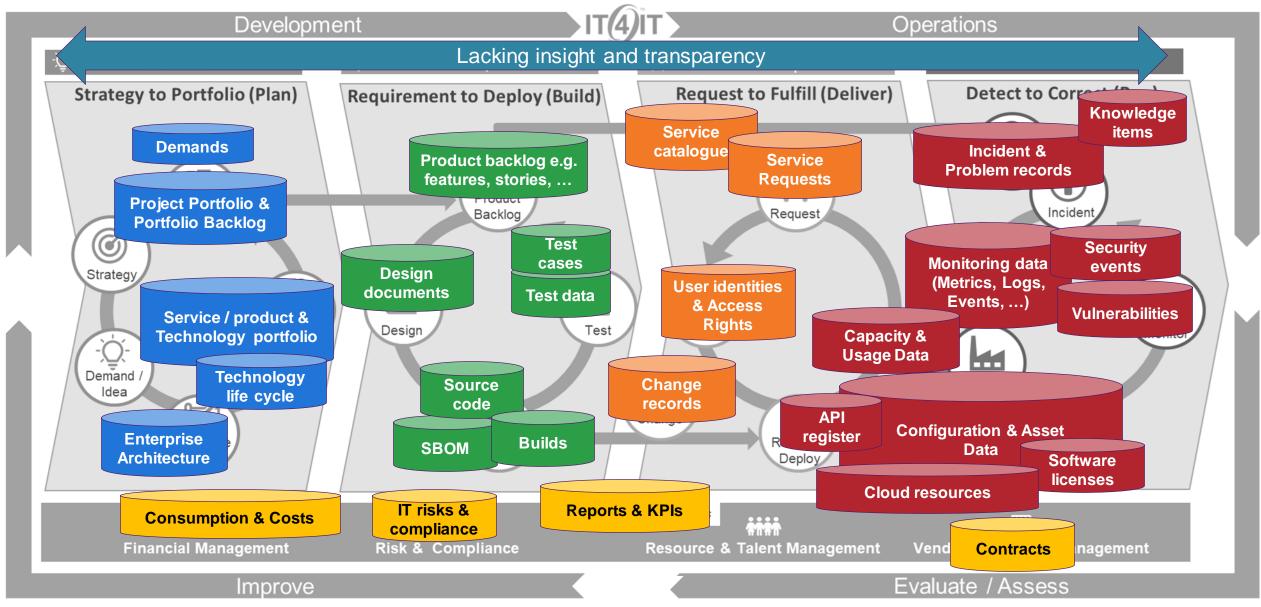
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Data is the Oil in the Machine



April 17, 2024

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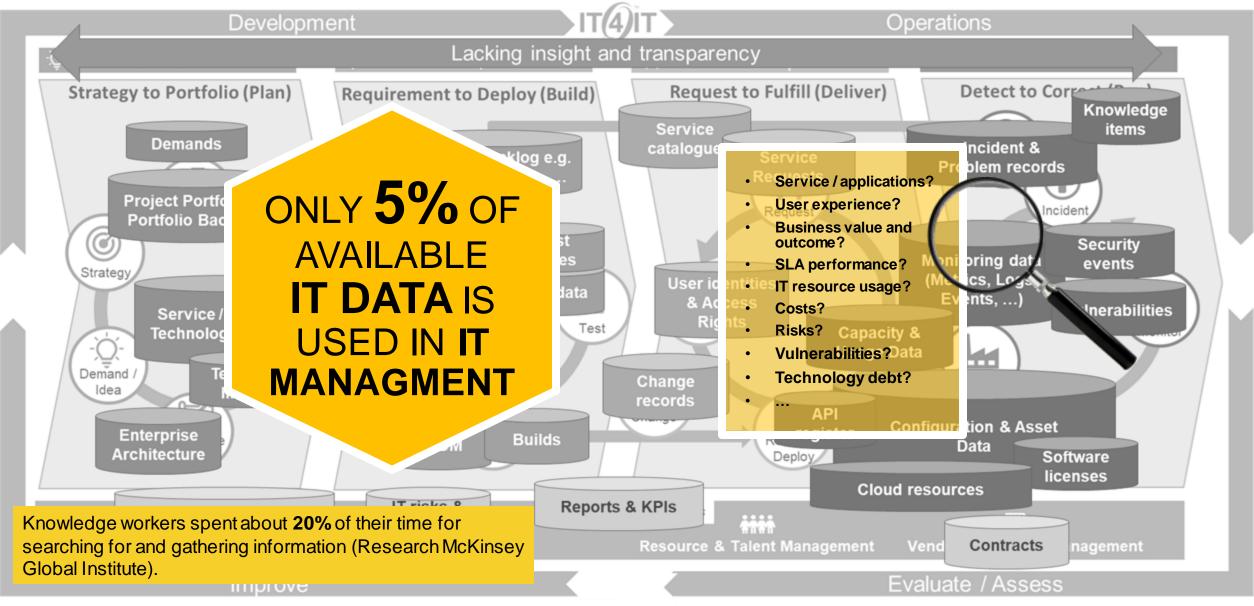




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Lacking insight for continuous improvement...

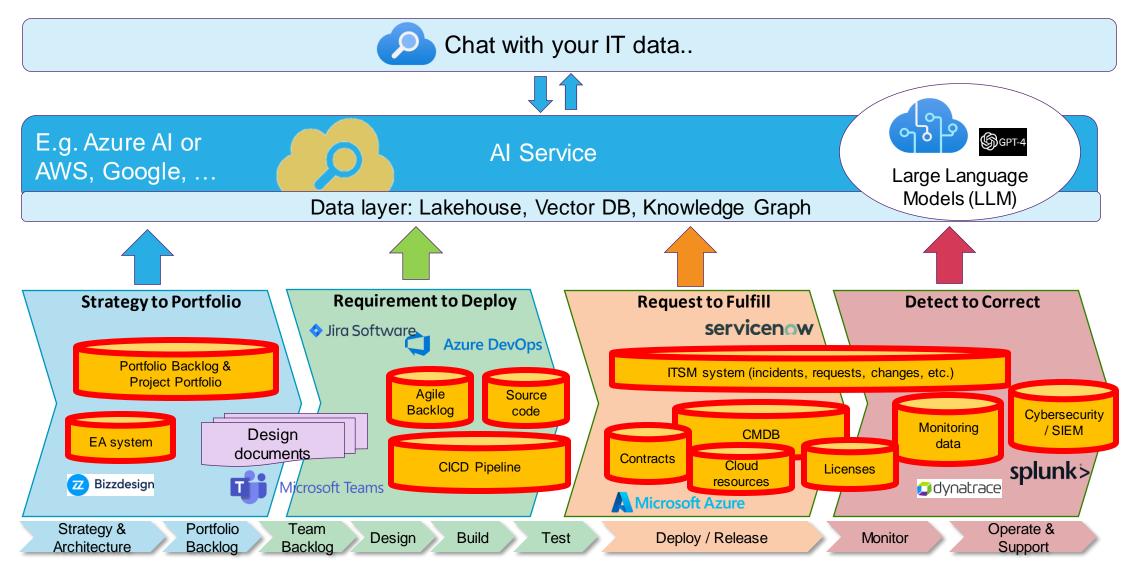


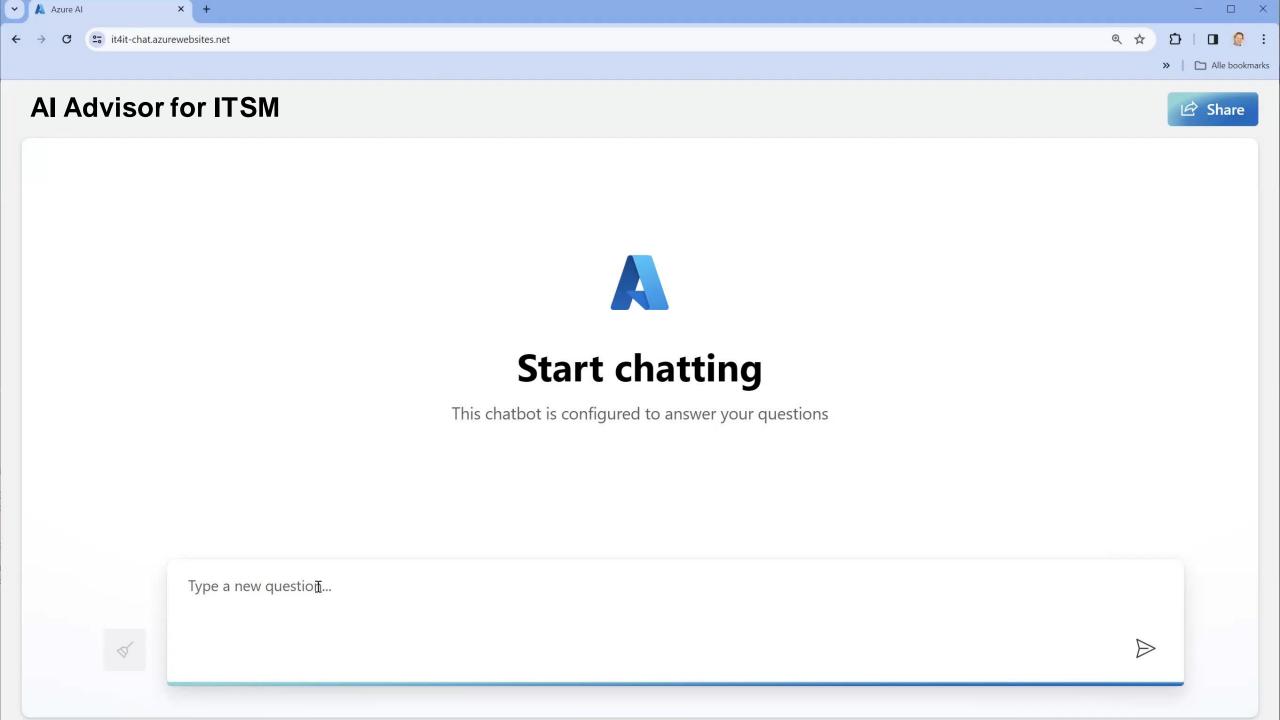


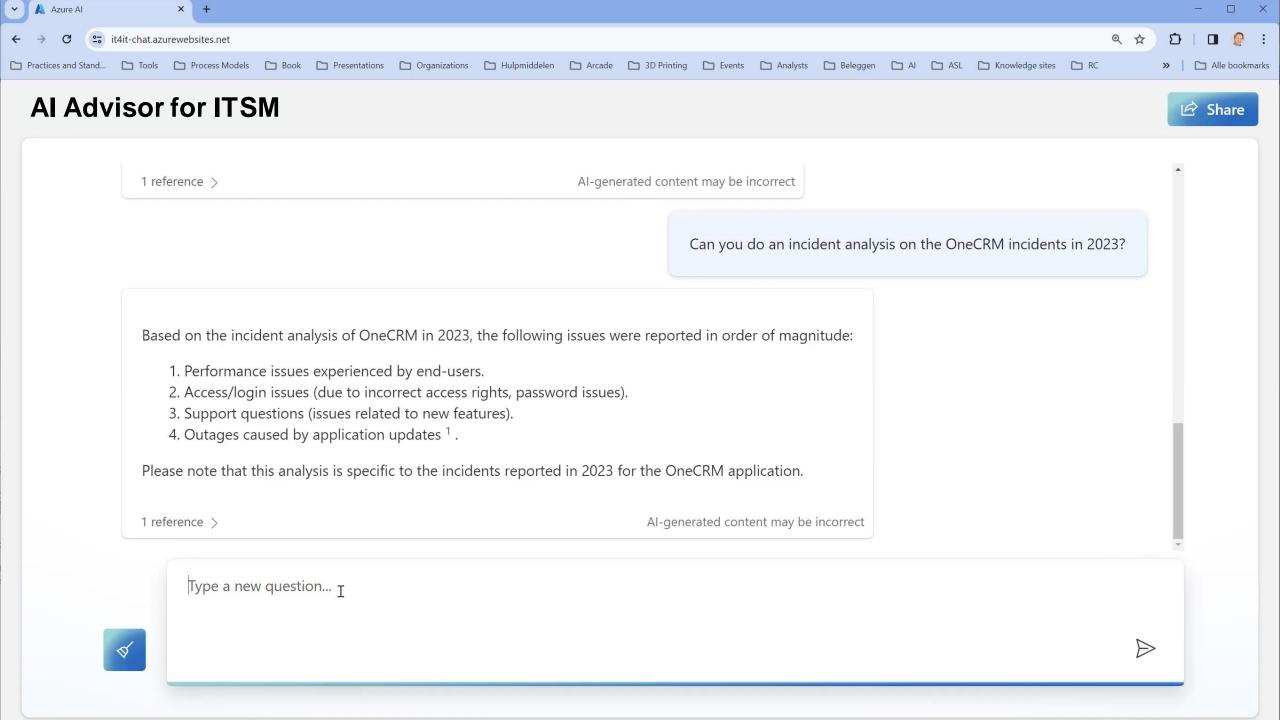


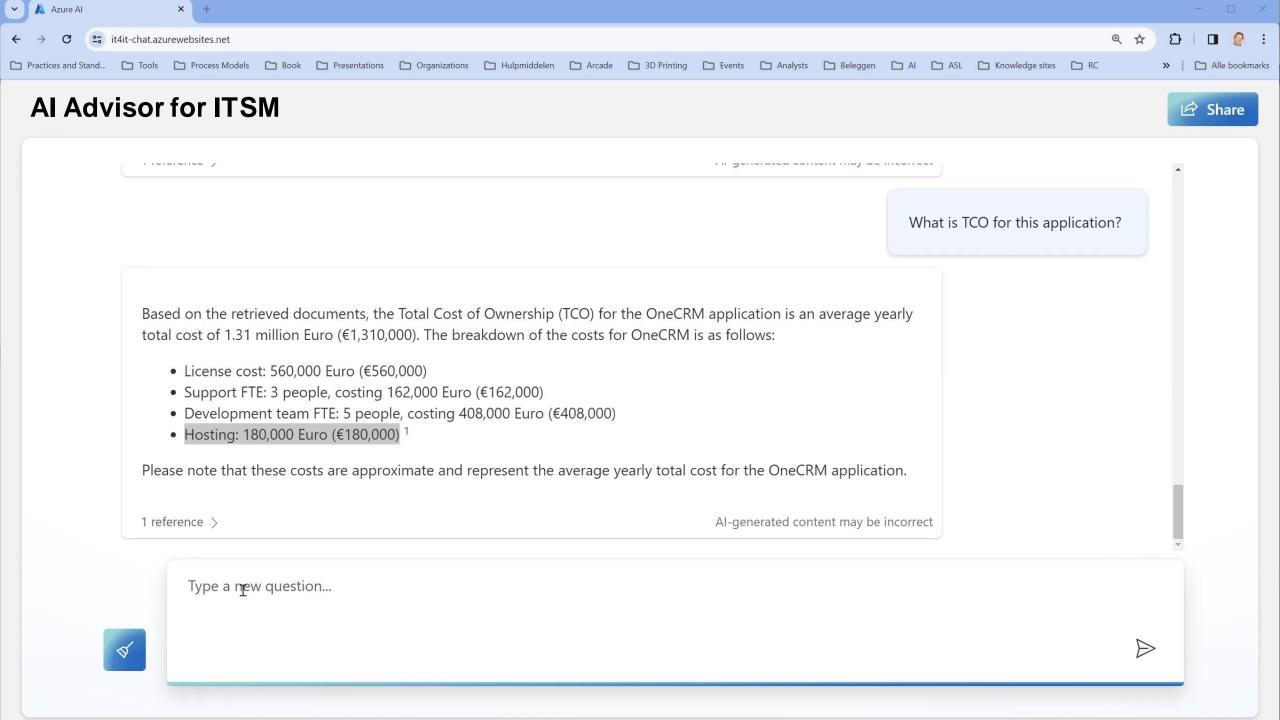
New Era of ITSM: Chat with your own ITSM data...

Retrieval Augmented Generation (RAG)





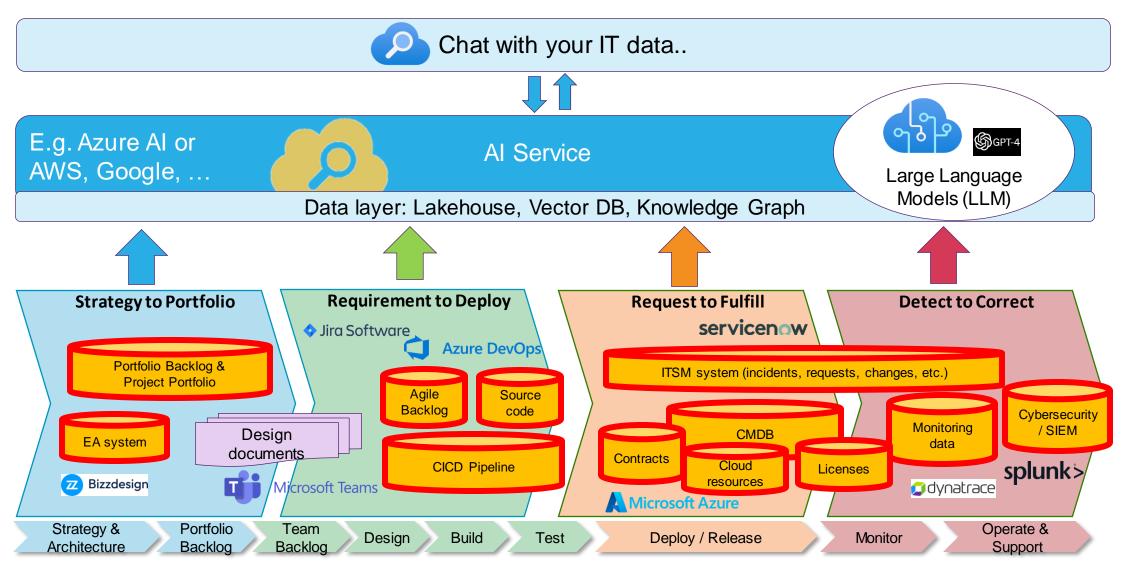




New Era of ITSM: Chat with your own ITSM data... **srvision



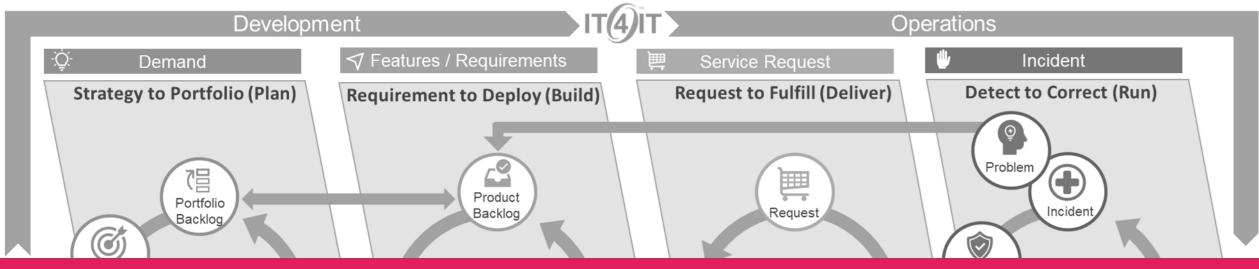
Retrieval Augmented Generation (RAG)



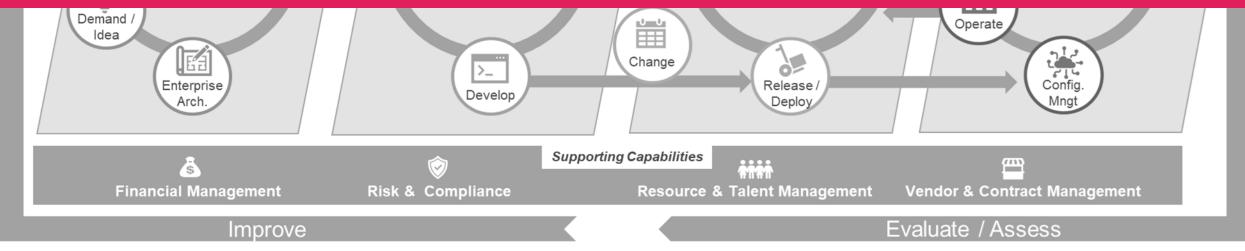


Biggest Obstacle in IT Service Management...is your BAD IT data...



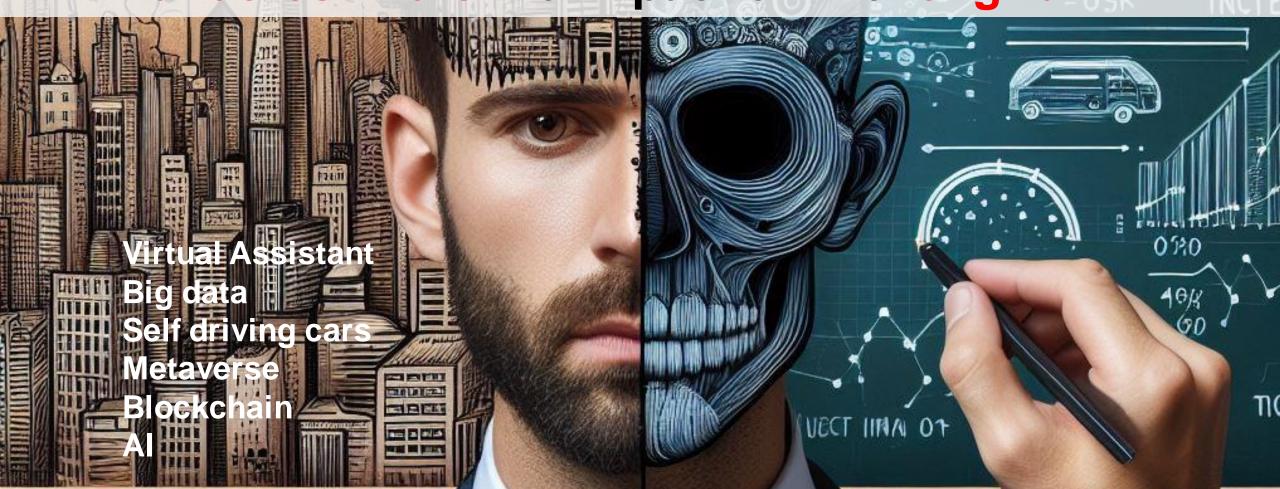


Garbage in, AMPLIFIED garbage out, applies to Al



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Questions





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Subscribe to my YouTube Channel: www.youtube.com/@RobAkershoek