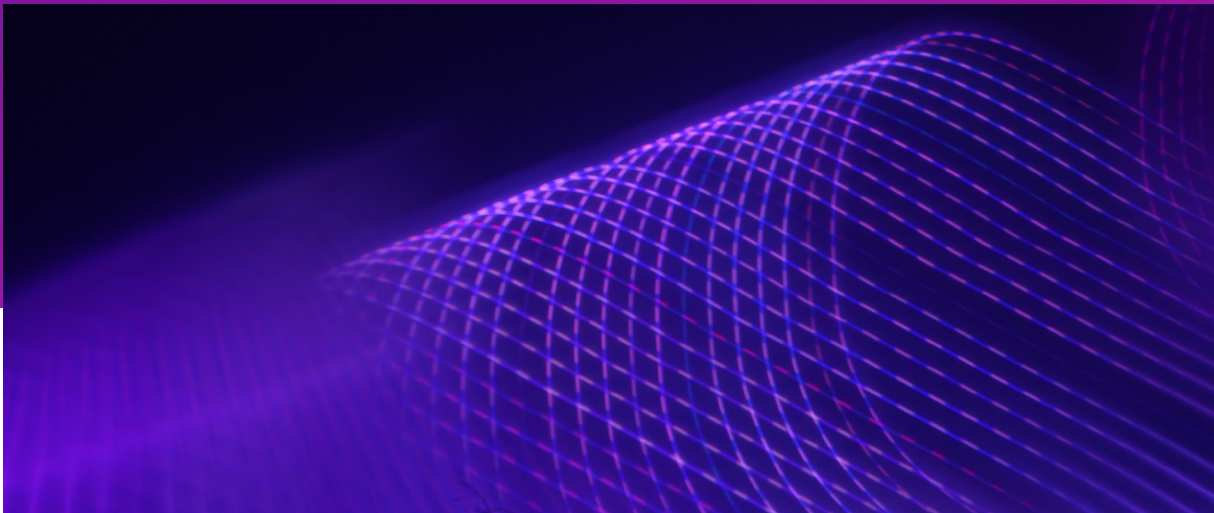


## Mastering Artificial Intelligence Platforms – Building the Right AI Model: Cloud, Compliance & Performance



Artificial Intelligence is evolving at an unprecedented pace, transforming industries and redefining business operations. Yet, organizations face critical challenges: How do you scale AI responsibly? How do you ensure data and operational sovereignty? What governance frameworks are needed to drive business value while maintaining compliance and cybersecurity?

This High Performance Digital Organisations program consists of three sessions. HP Enterprise and Nvidia are the knowledge partners of this program.

In the second session we addressed **Building the right AI Model**. We have shared the initial insights from our survey (N=45):

1. **Balance Artificial Intelligence tech stacks for developing, inference and fine tuning**
  - Most organisation combine platforms with the public cloud
  - Only a few smaller organisations public cloud only
2. **Integrate Artificial Intelligence solutions**
  - Organisations with limited integration solutions struggle with scaling up AI
  - Organisations with significant integration are better in scaling up AI and are typically larger
3. **Ensure your AI journey aligns with your AI capabilities**
  - Many less mature organisations focus on leveraging basic GenAI and LLMs
  - Five out the eight organisations developing own AI models consider themselves as an “AI Beginner” – which is unexpected.
4. **Collaborate with partners on AI**
  - Organisations predominantly power AI by their own SMEs
  - Full outsourcing only is reported by two respondents from small organisations
  - Remarkable high number organisations is engaging with Generic Consulting Partners (#15) and Generic System Integrators (#2) as their trusted partner
  - Knowledge institutes and parent companies are listed as trusted partner by a few respondents (#6)
5. **Understanding of the relevant legislation and compliance implications of leveraging Artificial Intelligence**
  - Relatively high understanding – factual? As #7 organisations report combination of high or very high understanding with low AI maturity level (AI beginner)
  - Low AI maturity level (AI experimentation and AI beginner) aligned with lower understanding



Marco Witteveen shared his experience, as Chief Operating Officer at GarantiBBVA International, on implementing a digital transformation roadmap to also support artificial intelligence.

He explained the need for holistic data centric processes facilitating becoming a data-driven organisation. As well as redefining architectures, people's skill set and data governance to facilitate integration with ecosystem partners, including outsourcing (BPO, SAAS etc), to create new business based on amongst others white labelling.

In terms of the digital transformation four major shifts have been implemented: 1. Complete redesign of end2end processes and data governance / data lineage with clear ownership for process owners and Business representatives. (Continuous improvements)

2. The realisation of the continuous improvements in the systems of the bank by self-organising agile product teams of Business and Technology representatives (Continuous change). 3. New architecture based on a low coding based platform as the system of engagement supporting the bank's end2end processes and a system of record both supported by scalable infrastructure (Public and private Cloud) , and 4. changing the governance and people's skill set in the organisation to support the agile way of working and new technologies. This provided a strong foundation for further leveraging artificial intelligence and resulted in a significant increase in the profitability and a decrease in the cost/income ratio.

"Jannie Minnema, responsible for Digital Integrity at VodafoneZiggo, provided her view on a digital twin journey, which is essential in increasing predictability and ensuring resilience in telecommunication. She presented an artificial intelligence use case at scale with petabytes of data. She explained the need to scale and shared good practices – going from Proof of Concept to version 1.0, version 2.0. and further. This clearly signaled the robustness of use cases. Furthermore, she highlighted the need for standardisation and for having an enterprise wide data factory view with a goal of reliability, low latency and high availability."



**Jannie Minnema**

Head / Tribe Lead Digital Integrity at VodafoneZiggo

## AI Landscape and Challenges

### Ruurd Osinga

Private Cloud AI - Solution Architect - Netherlands  
at Hewlett Packard Enterprise



The AI landscape has rapidly evolved since the emergence of ChatGPT in 2022, which sparked widespread experimentation with models like Llama 2. However, transitioning from initial excitement to full production has proven challenging, with only a small percentage of AI projects reaching production. Key barriers include data privacy, security concerns, talent shortages, scalability issues, cost management, and the complexity of managing the AI lifecycle.

### Enterprise Adoption of GenAI

The potential for Generative AI in enterprises is vast, offering efficiencies and transformative business outcomes. However, organizations face significant hurdles:

- **Data Privacy and Security:** Ensuring compliance while integrating AI.
- **Skills Shortages:** A lack of internal and market-wide expertise in AI-related domains.
- **Customization Over Standardization:** Unlike the cloud era, enterprises prefer open-source solutions for greater flexibility and reduced vendor lock-in.
- **Scaling and Adoption:** Managing growing use cases, ensuring cost efficiency, and selecting the right models.
- **AI Lifecycle Management:** Navigating the complexity of tools, frameworks, and operationalization.

### HPE AI Services

HPE provides end-to-end AI services to assist enterprises throughout their AI journey:

1. **AI Skills Development:** Education Services offer courses and certifications in AI, machine learning, and deep learning to build technical expertise. Assessments and knowledge transfer are provided to accelerate transformation.
2. **AI Data Management:** Focused on simplifying data access, management, and governance while creating readiness plans and strategies that enable hybrid cloud integration.
3. **AI Architecture:** Offers proven reference architectures and fully managed platforms for optimal AI implementation tailored to business needs.
4. **AI Solutions:** Partnering with ISVs to deliver production-ready AI solutions, such as HPE Private Cloud AI, which allows secure, scalable, and cost-efficient AI operations directly on enterprise data

### Partnerships and Ecosystem

HPE collaborates with an ecosystem of 26+ new ISV partners through its Unleash AI program:

- **CrewAI Case Study:** Gelato leveraged CrewAI agents to automate SKU mapping and logistics carrier integration, reducing manual effort by over 90% and cutting onboarding timelines from days to minutes. This enabled faster global expansion without increasing headcount.
- **Deloitte Case Study:** Deloitte introduced its agentic AI product, C-Suite Agent, on HPE Private Cloud AI to enhance executive reporting through timely insights, scenario analysis, and explainability, driving informed decision-making for enterprise leaders.

### Key Highlights

- Enterprises are shifting from the cloud era to the AI era, prioritizing customization, flexibility, and open-source solutions to avoid vendor dependency.
- HPE supports AI innovation by providing enterprise-ready infrastructure, GPU-accelerated compute, governed data lakes, and tools for rapid model development.
- The Unleash AI program fosters collaboration between enterprises and ISVs, enabling faster production of AI solutions across industries like healthcare, finance, energy, manufacturing, and the public sector.

## Conclusion



HPE positions itself as a reliable partner for enterprises and AI innovators, combining its robust technology and market reach with the agility of ISVs. By addressing challenges such as skills shortages, data management, scalability, and operationalization, HPE helps organizations unlock the full potential of AI to drive meaningful business outcomes efficiently and securely.

The AI maturity is emerging in many organisations, however AI Governance & Lifecycle Management are crucial. Organisations need to stay in the Driver's Seat. Stay tuned!

**Please join our research and complete the survey:**

<https://www.surveymonkey.com/r/KFMHWRZ>

See you in the last session of this program!

### Session 3: In Control of Artificial Intelligence

16 September - 13:30 – 18:00 // Den Bosch

This session focusses on AI Governance & Lifecycle Management - Staying in the Driver's Seat

Click here to register you for the session:

Register now

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