OPITZ CONSULTING

ORACLE Platinum Partner

Surprisingly more options

Four Pillars of Digitalization based on Oracle Cloud

Future-oriented Architectures for Human-Machine-Interaction

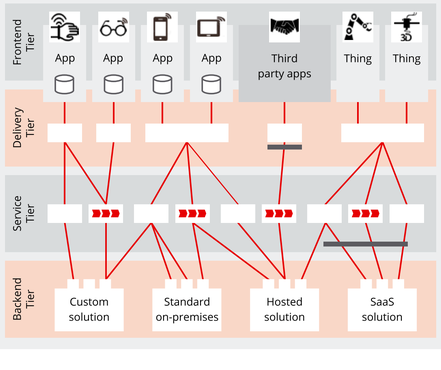
Customer benefits

- Increasing user adoption
- Avoiding media breaks
- Process optimization
- Shorter innovation cycles
- Complexity reduction
- Investment protection

Challenges

- API management and security
- Bimodal IT and agility
- Microservice architecture
- Enterprise app store concepts
- Usage of new & modern devices
- DevOps and shorter release cycles

App-centric Enterprise Architecture



- Rendering
- Localization
- Device-specific
- User/Track-driven
- Backend for frontend
- Enterprise app store
- Platform strategy
- API management
- Canonical data model
- SOA business services
- BPM
- Integration (EAI)
- Microservices
- Self-contained
- SaaS solutions
- Event-oriented

Holistic End-to-End Integration Architectures

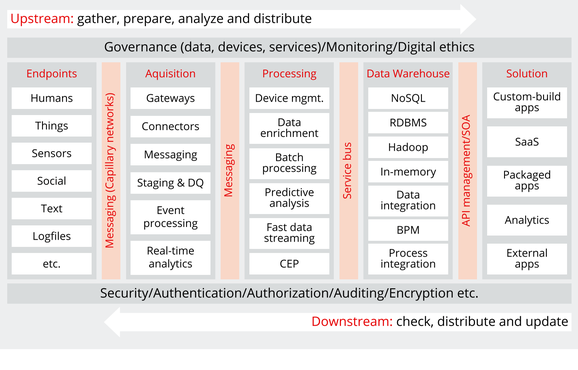
Customer benefits

- Reducing in process costs
- Improved products/services
- Market differentiation
- New sales potential
- Higher range of automation
- Increased agility

Challenges

- Industry 4.0 approaches
- Human-machine interaction
- Using sensor data
- Process automation
- Using analytics and algorithms
- Organizational implementation

Architecture Blueprint for the Internet of Things (IoT)



Efficient Analytics & Business Insights

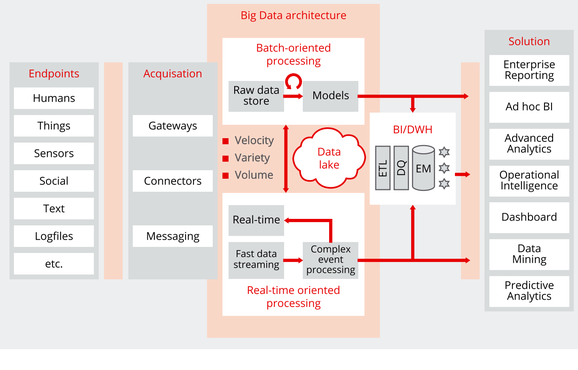
Customer benefits

- Making better decisions
- Near real-time reactivity
- Increased advantages over competitors
- Deeper customer insights
- Sales potential through data
- Improved operational excellence

Challenges

- Understanding data as a currency
- Data governance for sensor data
- Real-time analytics and business insights
- Transformation to big data/data lake approaches
- Become an algorithm-driven company
- Exploratory approach (fail early, fail fast)

Analytical Architectures for the Digitalization



Reactive Hybrid Infrastructure Architectures

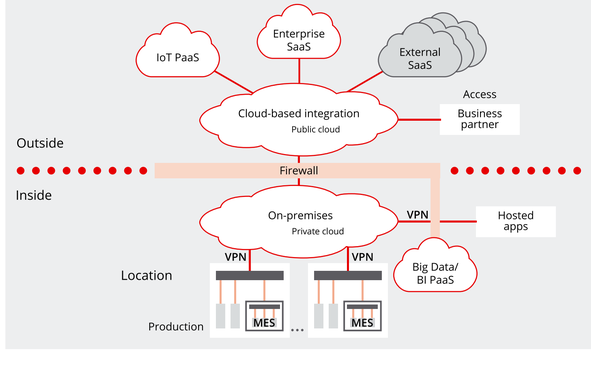
Customer benefits

- Increased responsiveness
- Enabling new business models
- Ensuring business continuity
- Optimizing operational costs
- Reducing complexity

Challenges

- Delivery of dev/test environments
- Scaling in peak times
- Selective outsourcing and cloud services
- Hybrid cloud infrastructure
- Cloud security
- Include cloud in IT governance

Hybrid Infrastructure Blueprint



Platform as a Service (PaaS)

Data Management
- Database
- Database Exadata
- Database Exadata Express
- Database Schema
- Database Backup
- Big Data
- NoSQL Database
- Event Hub

Application Development
- Java
- Mobile
- Messaging
- Application Container
- Developer
- Visual Builder

Integration
- Data Integrator
- Integration
- SOA
- Internet of Things
- API Platform
- Process

Business Analytics
- Analytics Cloud
- Business Intelligence
- Big Data Discovery
- Big Data Preparation
- Data Visualization

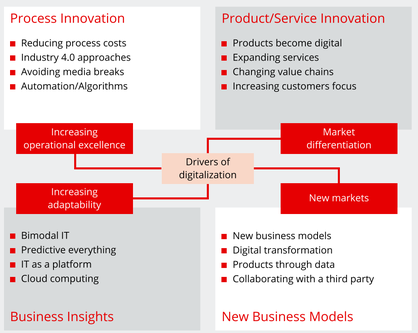
Cloud Management
- Application Performance Management
- Infrastructure Monitoring
- Log Analytics
- Orchestration
- IT Analytics

Security
- Identity and Access Management
- Security Monitoring and Analytics
- Configuration and Compliance

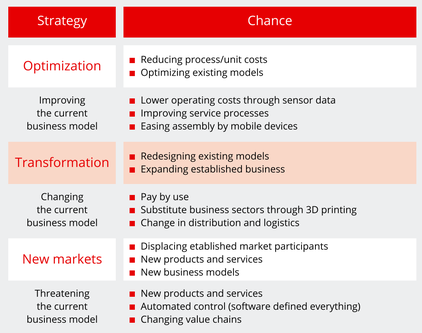
Infrastructure as a Service (IaaS)

Infrastructure
- Storage
- Compute
- Container
- Ravello
- Networking
- Load Balancing
- Cloud Machine
- Exadata Cloud Machine

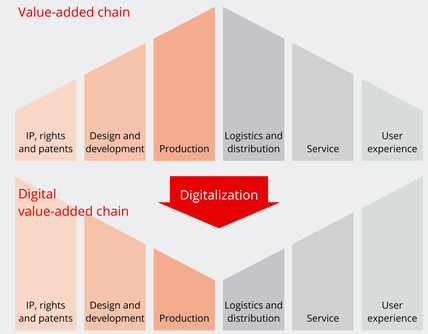
Analyze and evaluate business drivers



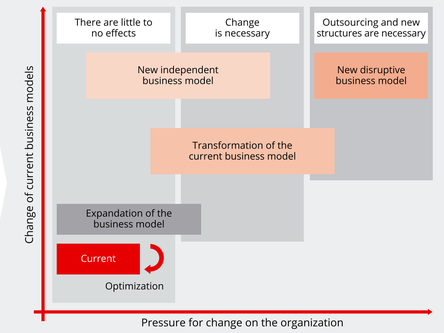
Check the chances of digitalization



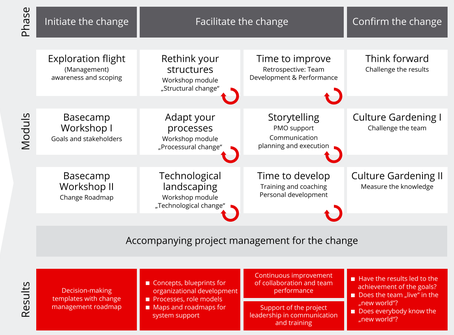
Determine the change of value creation



Adjust organizational structures



Accompany the change



"Modern applications adapt to the needs and experiences of their users and allow changes independently from the backend."

"Holistic integration architectures are the basis for processing complex data streams within modern, digital business models."

"Digitalization is driving the development from Business Intelligence to analytical Big Data approaches for better business insights."

"Hybrid cloud infrastructures combine the strengths of traditional IT with the flexibility of cloud computing."