

# MISJA



We introduce innovations, enabling
Polish Companies, Public
Administration, and Education
Sector to create and maintain
competitive advantages

We involve ourselves in educational activities regarding Digital Technologies

The Mission
of Domestic Cloud Operator
is to provide a technology
platform to improve
innovativeness of Polish
economy.

We provide services which enable our Clients' flexibility and freedom to act

We optimize our Clients' IT costs

The principle of our activities is Security

### Domestic Cloud Provider's Value Proposition:



#### Data Residence

Services in Poland, Data Canters in Poland, location of data fully transparent and auditable.

#### Regulatory Compliance

Contracts based on Polish law, services compliant with Polish regulators' requirements.

#### Flexibility

Services created with investors in mind, particularly large enterprises, delivered in Pay as you Go model.

#### Scale

Guaranteed ability to bear legal and financial responsibility, unlimited growth potential based on investors economic potential (PKO BP & PFR)

#### Sceurity

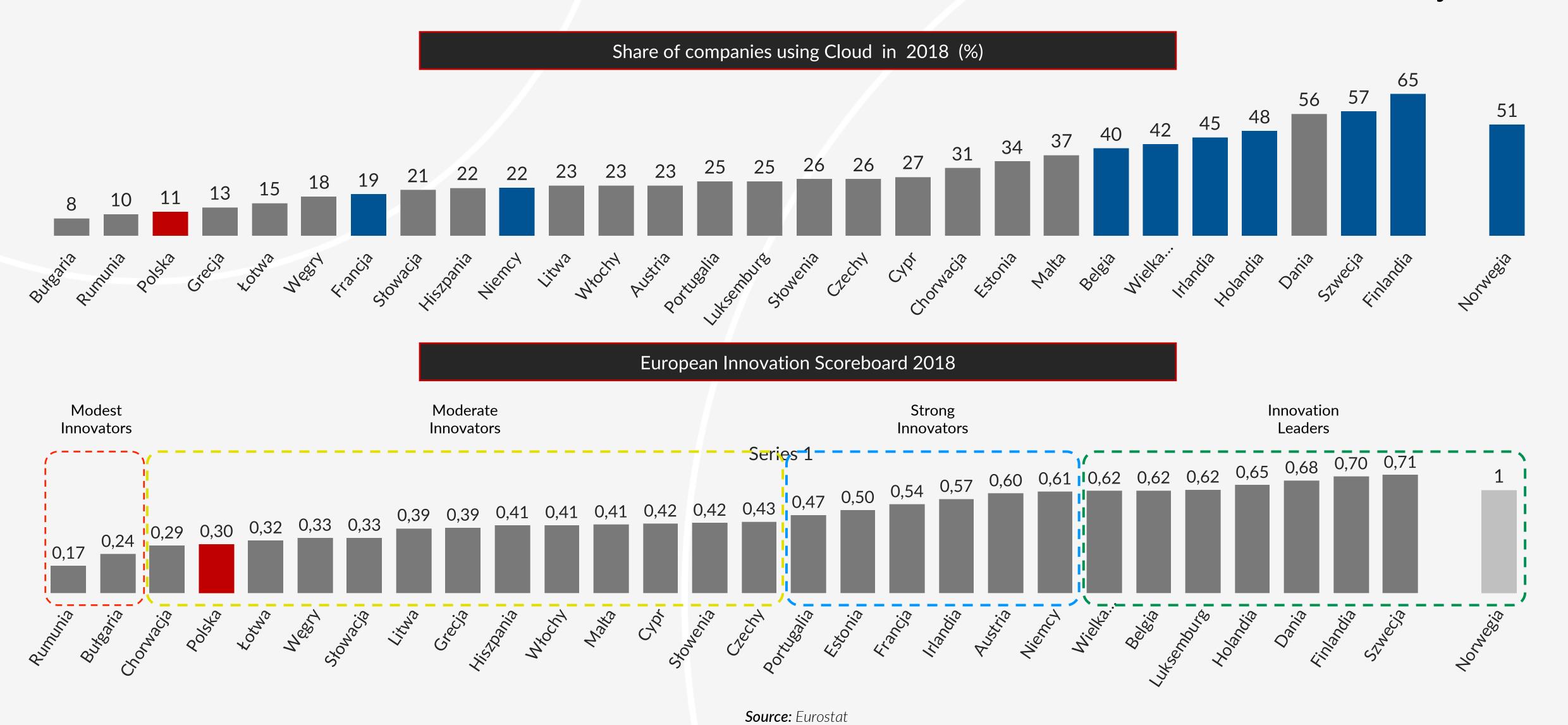
Security as a Service and security as a design principle

Multi Specialization

Cloud Services provider, focused on the most innovative Cloud technologies from diverse range of technological partners, as well as Digital Transformation processes.

### Why Poland needs yet another Cloud provider?





## Innovation: experimenting & investing





How long it takes to mobilize resources?

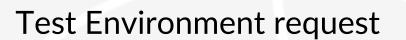
- determining the specification needed
- negotiating the budget
- inscribing investments in a broader policy / strategy
- purchasing process
- delivery, assembly, start-up ...

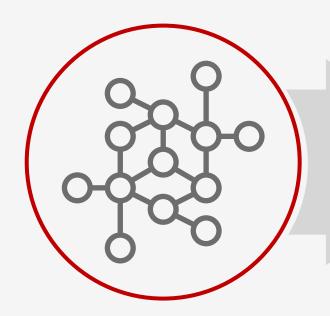
6 month? A year?

# Real life answer: Testing Environments for PKO BP









External Configuration (defined as a repository code)



waiting for automatic deployment



Application testing

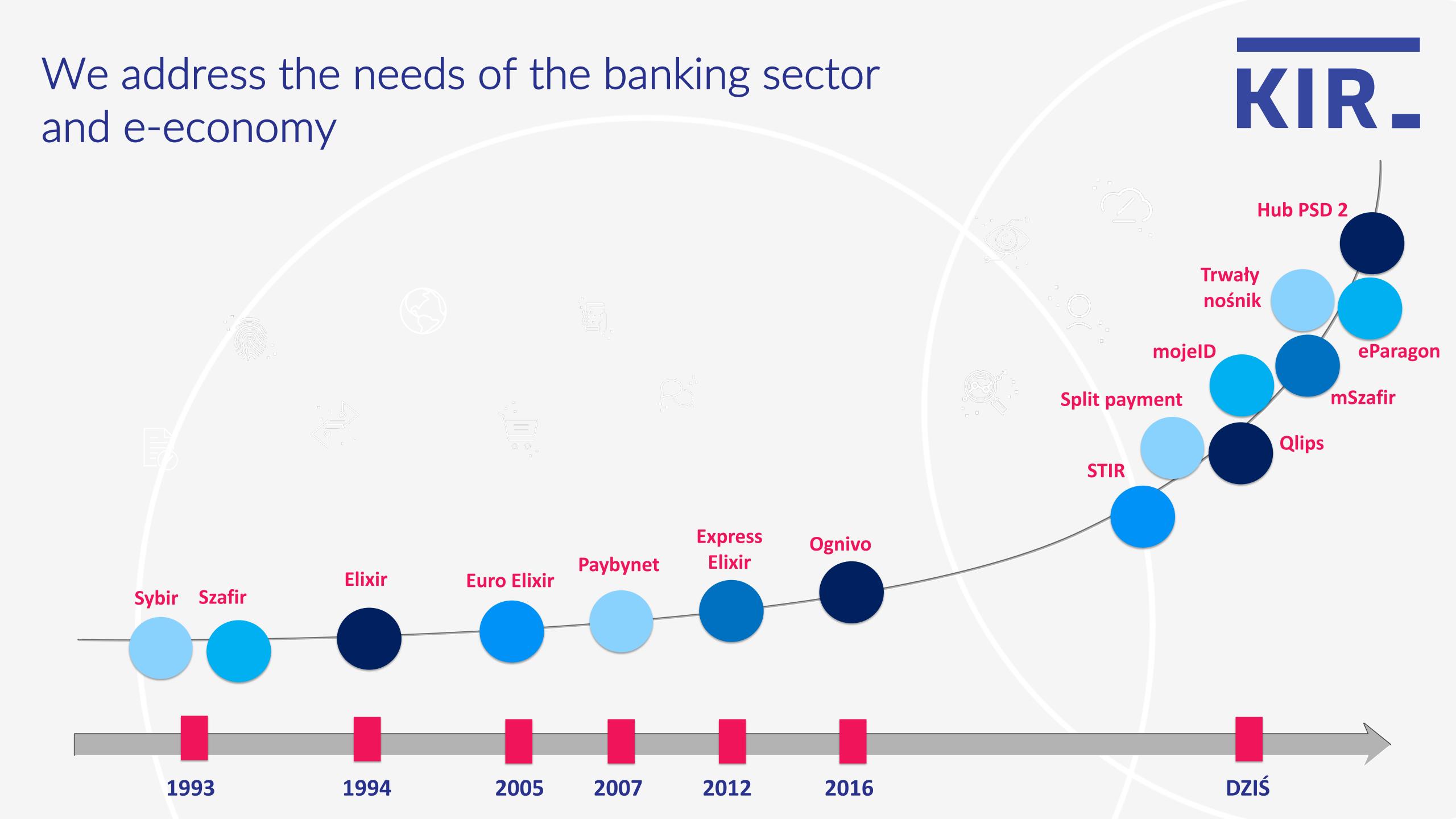
	Previous time to appoint	Current time to appoint	Tasks	Lines od Code
app 1	2 weeks	4,5h	926	5808
app 2	2 weeks	3h	1308	3353
арр 3	2 weeks	<b>1</b> h	698	1761
app 4	2 weeks	1,5h	553	4644
app 5	2 weeks	<b>1</b> h	139	1920
арр 6	2 weeks	<b>1</b> h	150	2242
app 7	2 weeks	<b>1</b> h	175	2010

14 weeks

Process of appointing Test Environments on DCP's VMware automation

6h 19m





### Durable medium – what is it?



#### **Definition:**

Durable medium is a permanent information carrier – it is understood as any instrument enabling the user to store information addressed personally to them in a manner enabling access to it in the future for a period appropriate for the purposes of this information and enabling the reproduction of stored information in an unchanged form.

#### **Features:**

- allows storing information,
- allows access to information for a period appropriate to the purpose of its preparation,
- allows the information to be restored unchanged for a period appropriate to the purpose of its preparation

### Durable medium - what is it?





The system meets the requirements detailed in DIRECTIVE 2007/64 / EC OF THE EUROPEAN PARLIAMENT AND OF THE EU COUNCIL of November 13th, 2007 on payment services in the internal market



The document version and every operation performer on the document is saved in the Blockchain network and the document itself is stored in a secure archive in the national cloud



According to the directive, the publisher of the document (e.g. bank) guarantees the customer access to documents in a durable and indisputable form



It enables the document verification by URL containing a document shortcut. Such an address can be used as a short link and sent to a customer in a message.



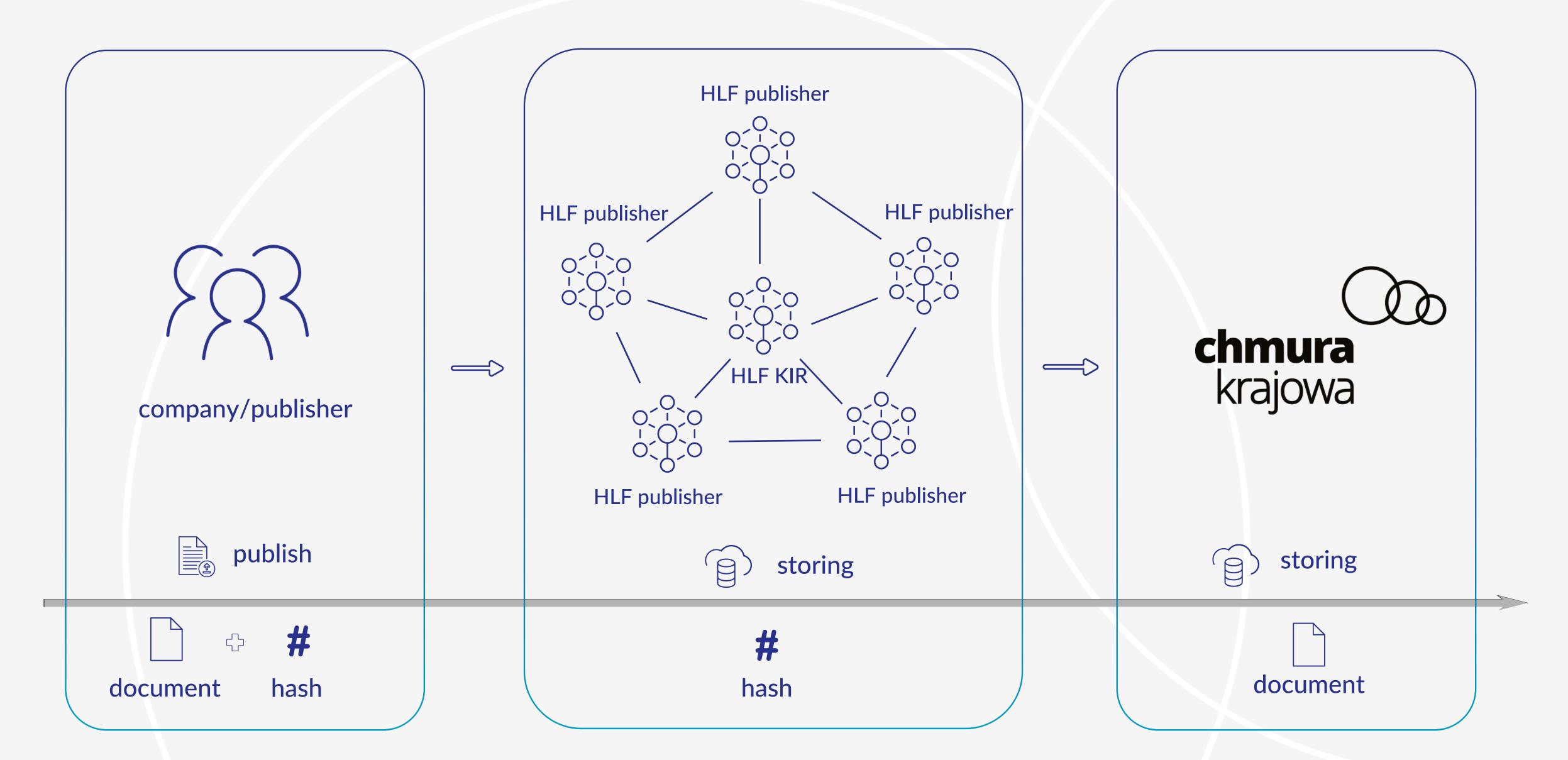
Guarantees access to documents published by the publisher at any chosen moment



It enables secure customer identification (credentials, mojeID, electronic signature) guaranteeing document confidentiality

## Durable medium using domestic cloud architecture





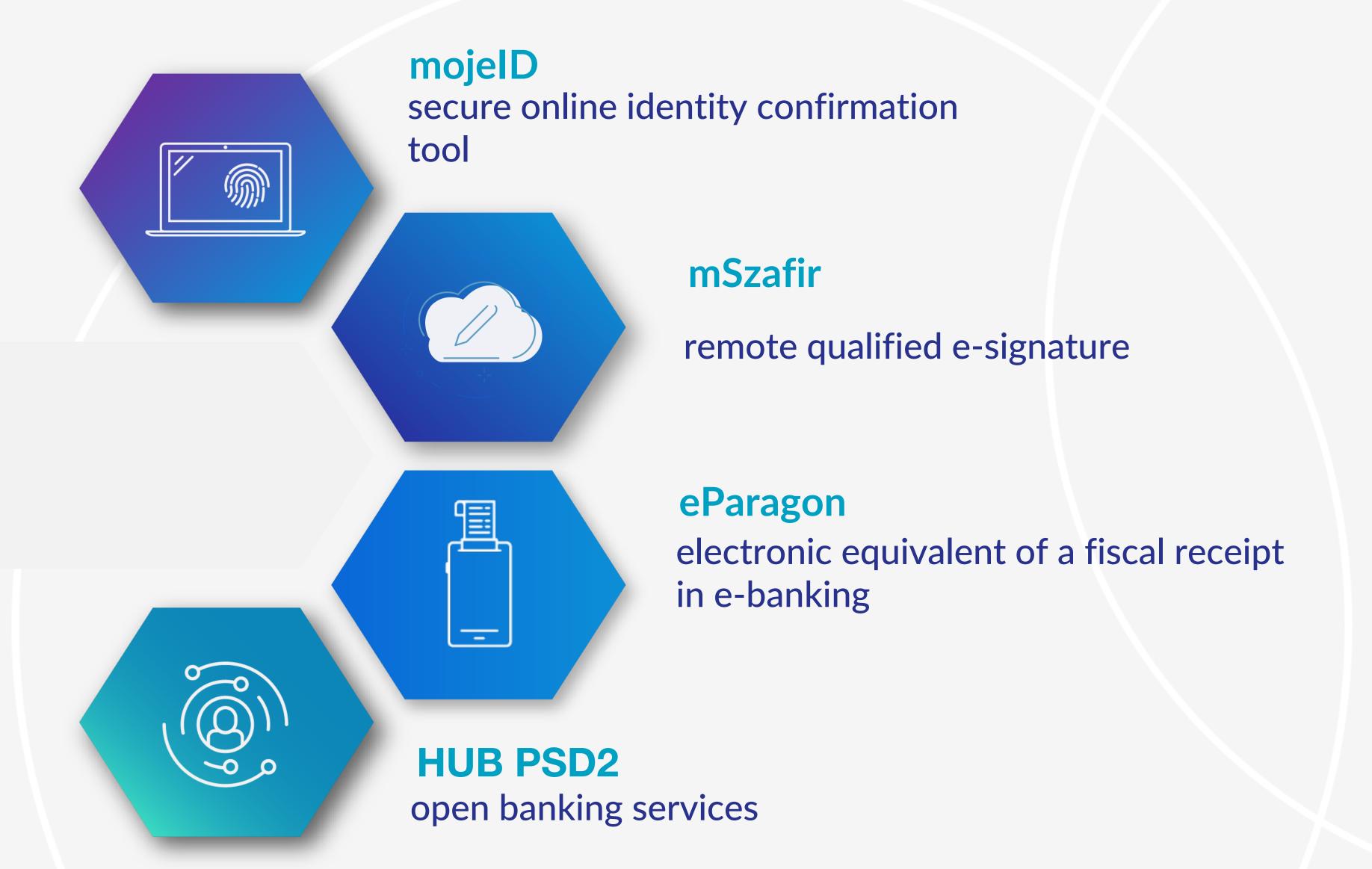
### Business benefits of Cloud





### Other KIR projects regarding Cloud

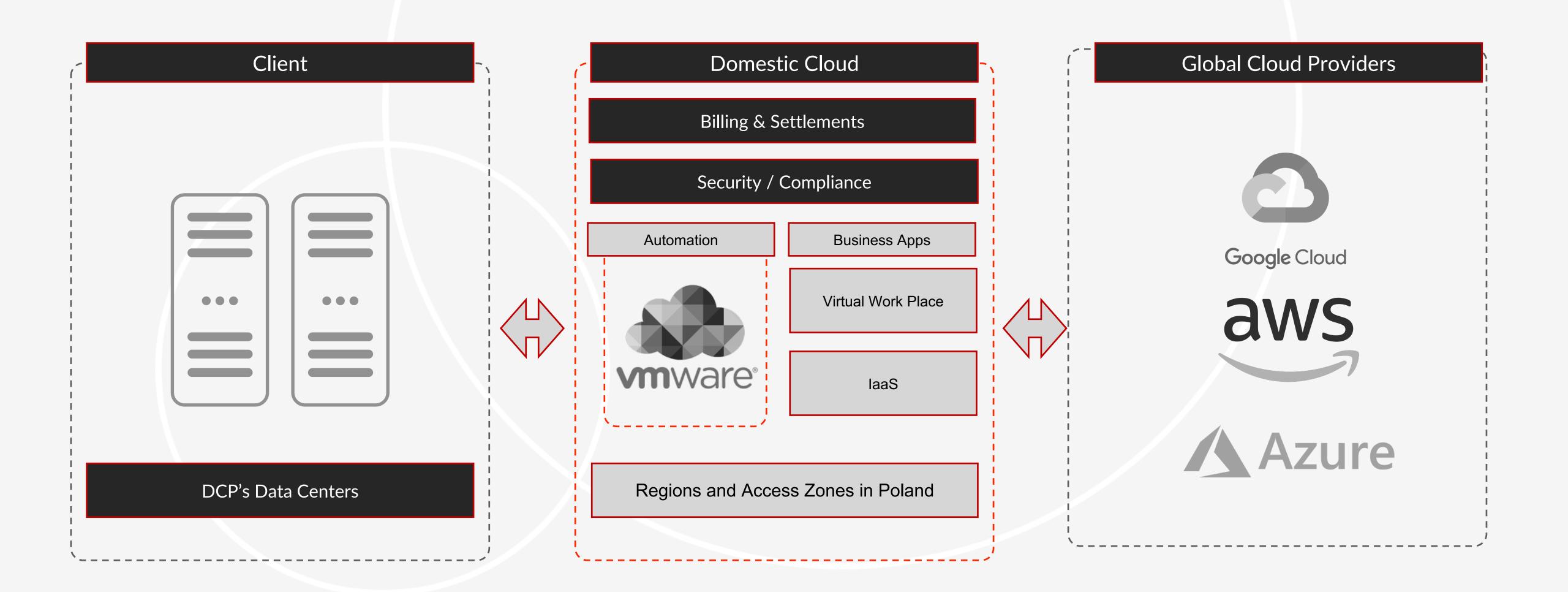






# Hybrid Multi Cloud - Diversity & Effectiveness





## Domestic Cloud Operator: Agility & Scalability





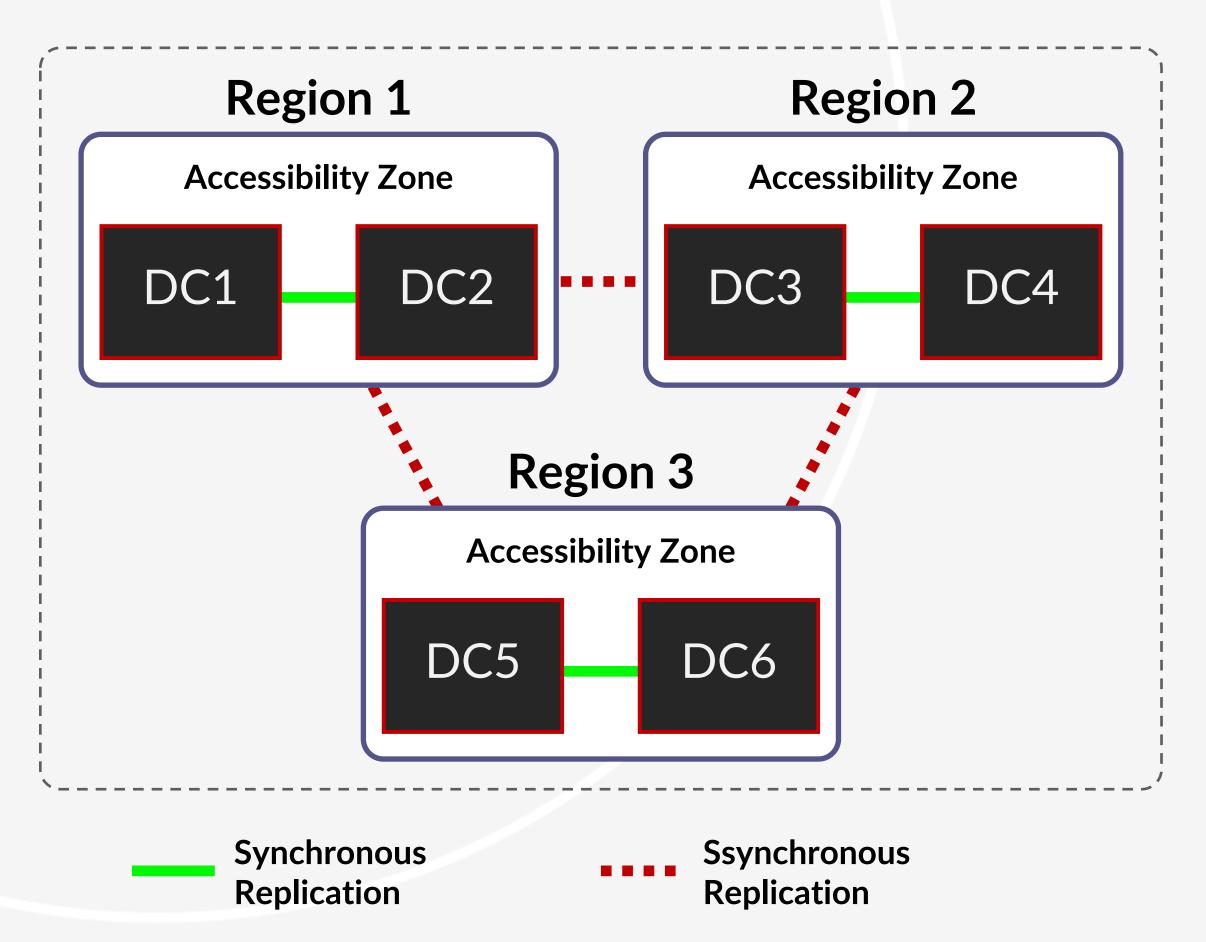


Cloud Services Offer Added Services SaaS PaaS laaS Competitive services Attractive Value Proposition Platform Model

### DCP at Work: Security by Design



- DC Data Center
- Region minimum 1 Acessiblity Zone.
   Regions are at a distance of not less then 150 km
- Accessiblity Zone two DCs working as one logic resource. AZ ensures high availability, and its CDs are within a short geographical distance of less then 50 km to ensure low latenancy for Active – Active synchronisation.



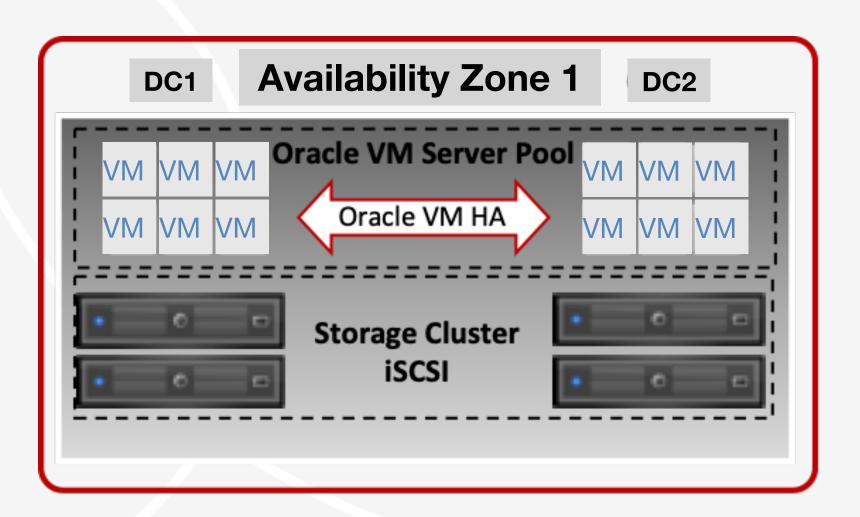
**CHALLENGE: CONNECTIVITY + DC INFRASTRUCTURE** 

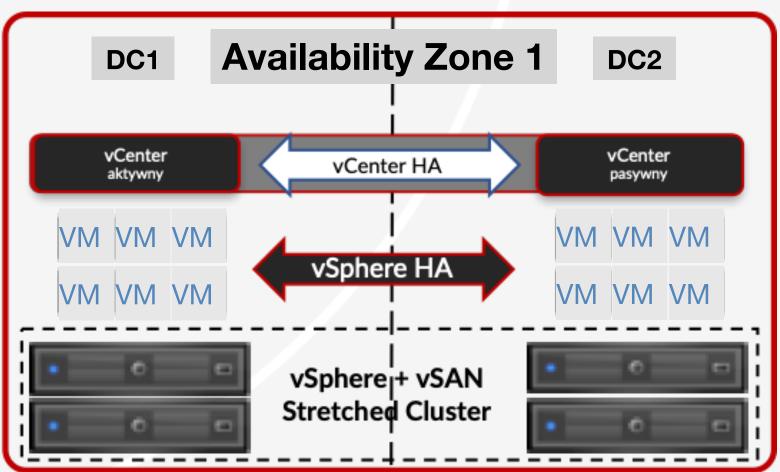
### Virtualization: What Clients Need Most



- VMware vSphere cluster stretched between two physical locations
- Disk resources replicated between Data Centers

- High availability of technical infrastructure elements
- Failure resistance of the entire Data Center

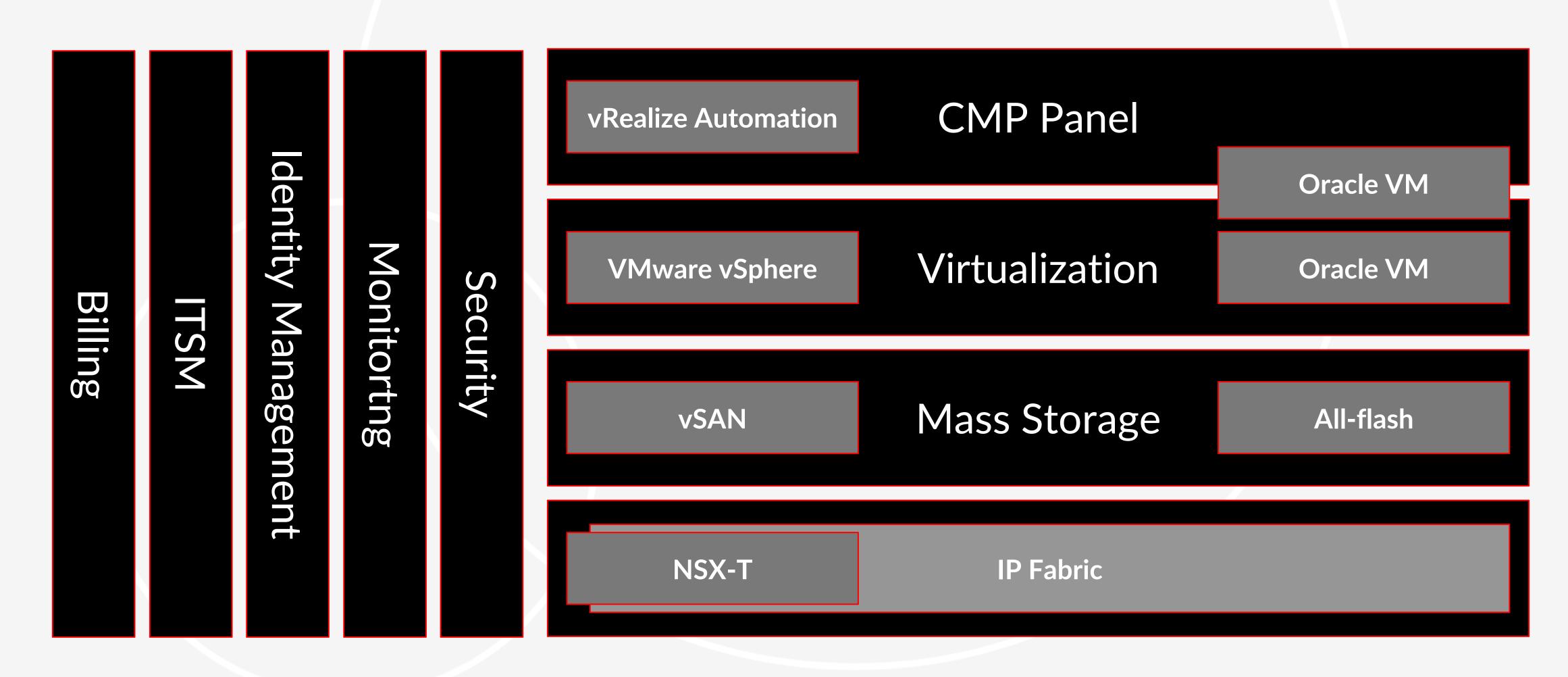




CHELLENGE: CHOOSING THE RIGHT PARTNERS FOR THE NEEDS OF CLIENTS

# The Stack: Designed For the Latest Technologies





CHELLENGE: CHOOSING THE RIGHT PARTNERS FOR PRICING AND SYS. INTEGR.

### The wrap-up:

chmura krajowa

- Recognized need + some demand
- Existing infrastructure allowing for advanced applications
- Knowledge of the market regarding existing technologies and emerging trends
- Ability to make right technological & business choices, including pricing analysis

