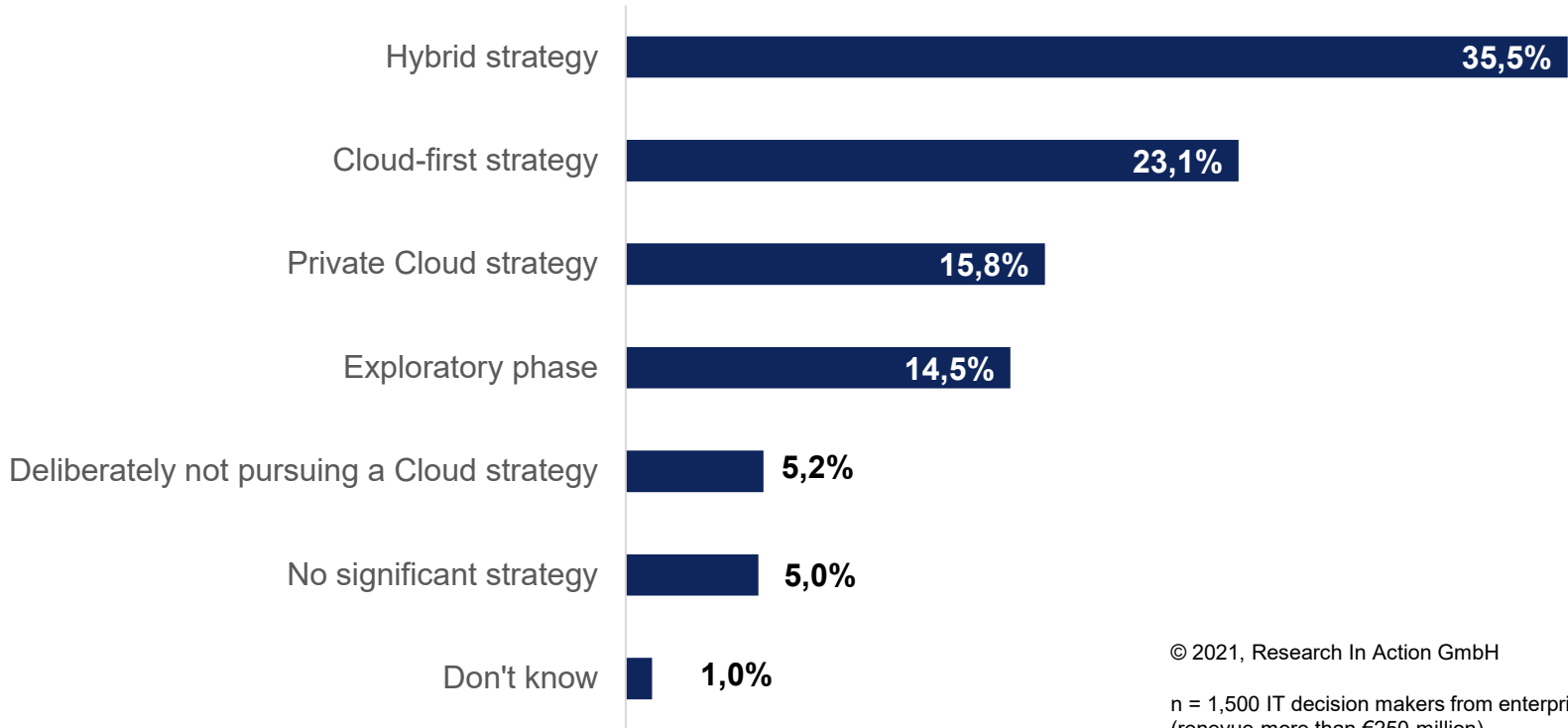FNT

Webcast: Hybride IT-Infrastrukturen effizient managen – mit der FNT Command Platform

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// FNT Software

- Marktführer bei Softwarelösungen für das **integrierte Management** von **IT-, Rechenzentrums- und Telekommunikationsinfrastrukturen**

- Gegründet 1994 in Deutschland

- Globales und unabhängiges Softwareunternehmen

- Mehr als **350 Mitarbeiter** arbeiten an **sieben Standorten** rund um den Globus

- **Über 500 Kunden** weltweit (in Deutschland fast die Hälfte aller DAX40 Konzerne)

- Hauptsitz: **Ellwangen, Germany**

- Mehr **Informationen**: http://www.fntsoftware.com
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// How do you position yourself strategically in dealing with the use of Cloud infrastructures: Which statement most closely applies to your situation?
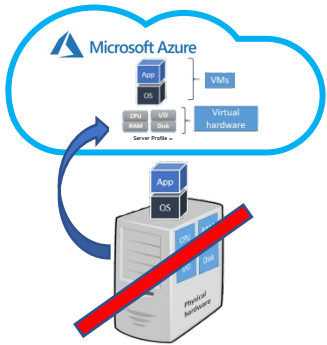
Category	Percentage
Hybrid strategy	**35,5%**
Cloud-first strategy	**23,1%**
Private Cloud strategy	**15,8%**
Exploratory phase	**14,5%**
Deliberately not pursuing a Cloud strategy	**5,2%**
No significant strategy	**5,0%**
Don't know	**1,0%**

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n = 1,500 IT decision makers from enterprises worldwide (renevue more than €250 million)
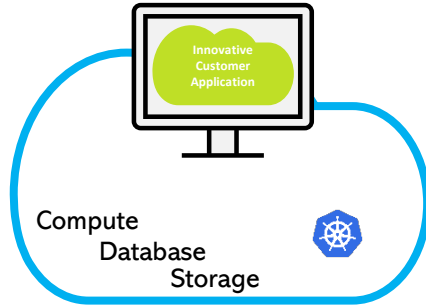
// Going into the cloud?

Lift & Shift

IaaS

Get rid of the hardware!

Transfer CAPEX to OPEX!

Increase flexibility!

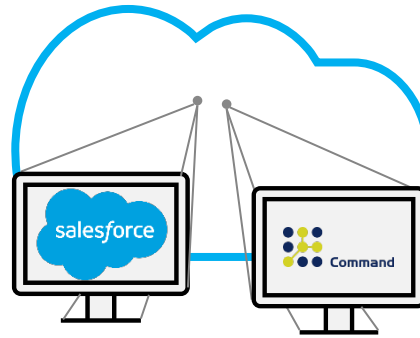**Develop in the cloud**

PaaS

Develop & deploy faster!

Start higher in the stack!

Simply consume IaaS!

Work directly Cloud-based

SaaS

Get rid of any infrastructure!
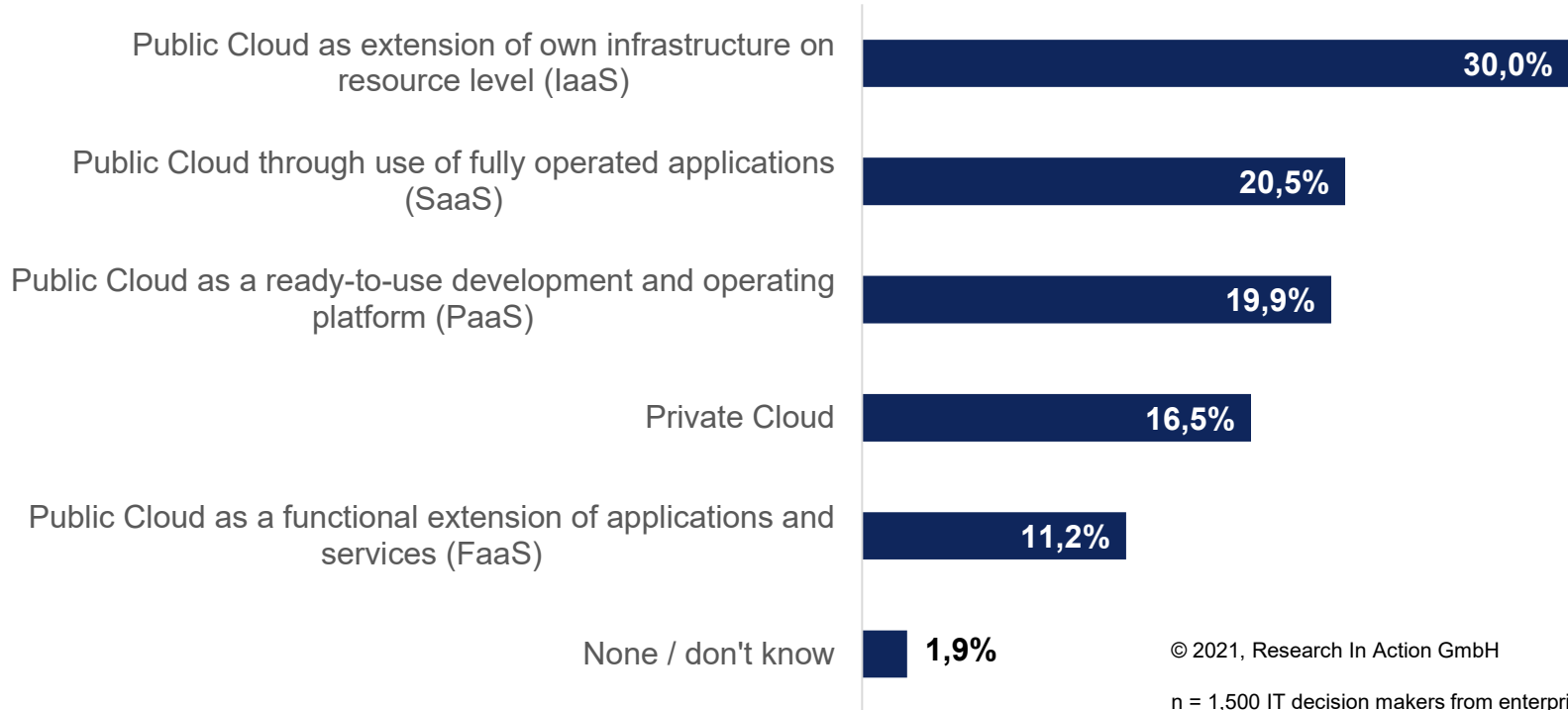
Consume applications!

Only integrate & exchange data!

Operate your own cloud

Private Cloud

Control over cloudsprawl

Subscription cost

Compliance

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// There is no such thing as "THE uniform Cloud" and hybridity is multi-faceted: Which of the following 5 key usage scenarios are relevant to you (multiple answers are welcome if you have a mix)?

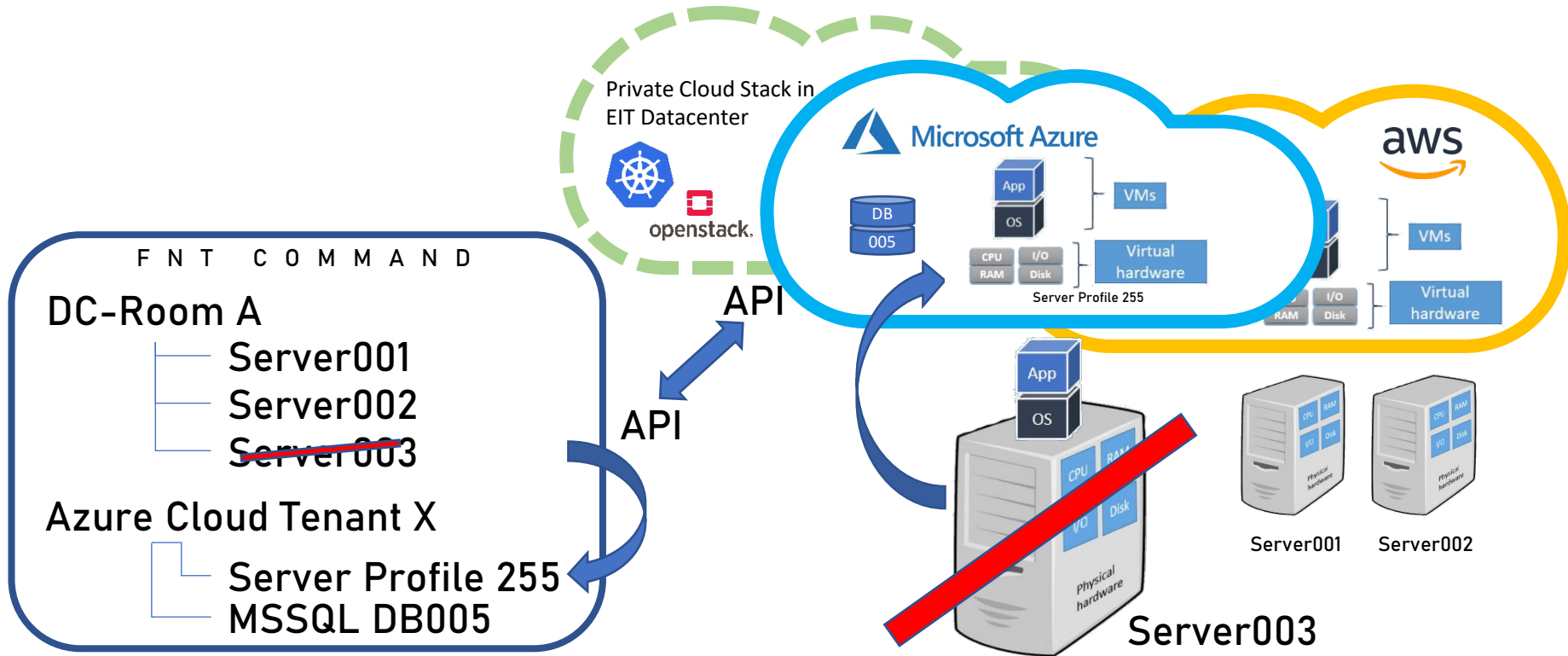|	
Public Cloud as extension of own infrastructure on resource level (IaaS)	**30,0%**
Public Cloud through use of fully operated applications (SaaS)	**20,5%**
Public Cloud as a ready-to-use development and operating platform (PaaS)	**19,9%**
Private Cloud	**16,5%**
Public Cloud as a functional extension of applications and services (FaaS)	**11,2%**
None / don't know	**1,9%**

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// Three major takeaways

- A truly 50:50 hybrid IT infrastructure setup is the goal of the majority of companies

- Infrastructure as a Service (IaaS) is the main focus of public cloud usage with Software as a Service (SaaS) and Platform as a service (PaaS) as runner-ups

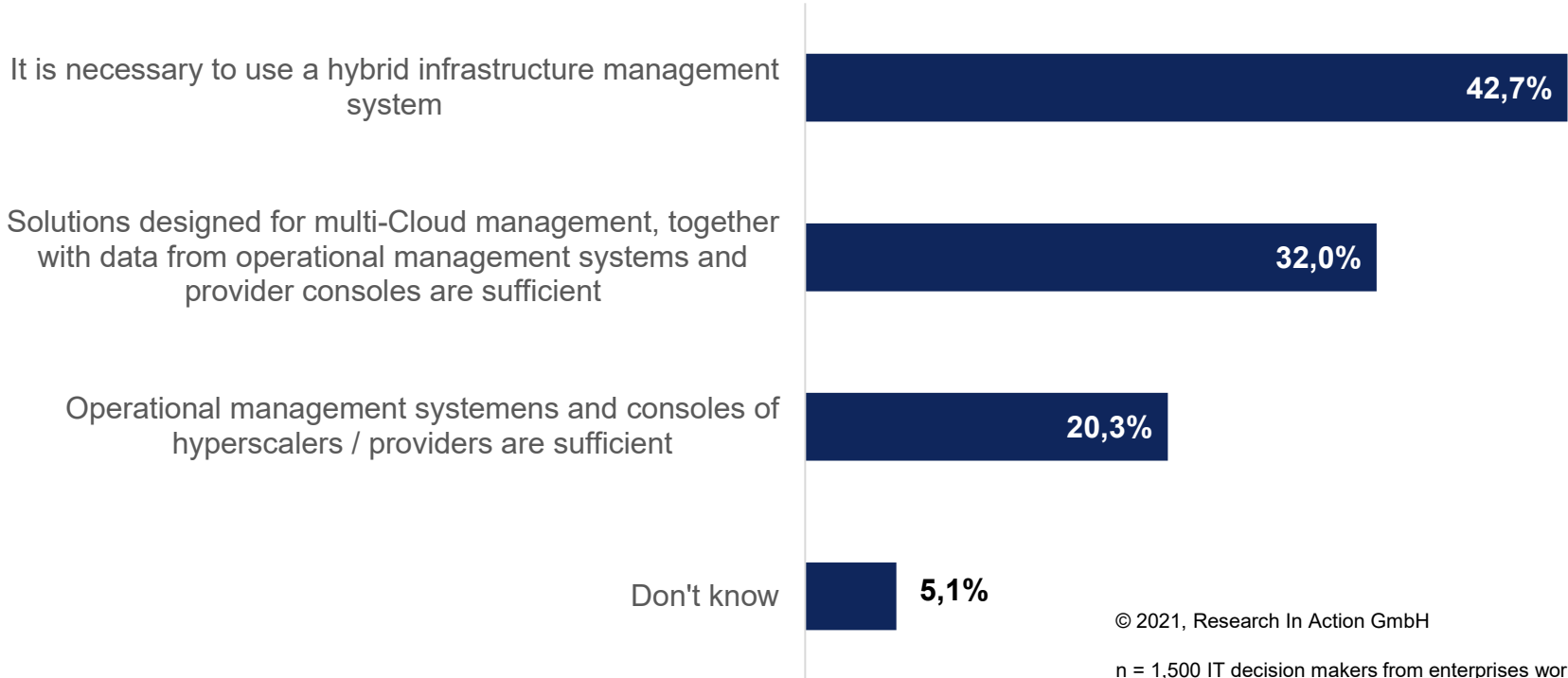- Private Cloud built-up is an important factor, but not the dominant target

// Hybrid Infrastructure Management with the FNT Command Platform

// Short preview of the live solution presentation "IaaS"

- Dashboard with overview of server subscriptions in the cloud, purpose, responsibilities and overruns of planned maximum durations

- Data view in FNT Command with attribute expansion and data attribute values from the cloud including IP addresses for multi-cloud and multi-tenant mapping

- Complex relations: IaaS infrastructure dependencies in the substructure of business services and applications
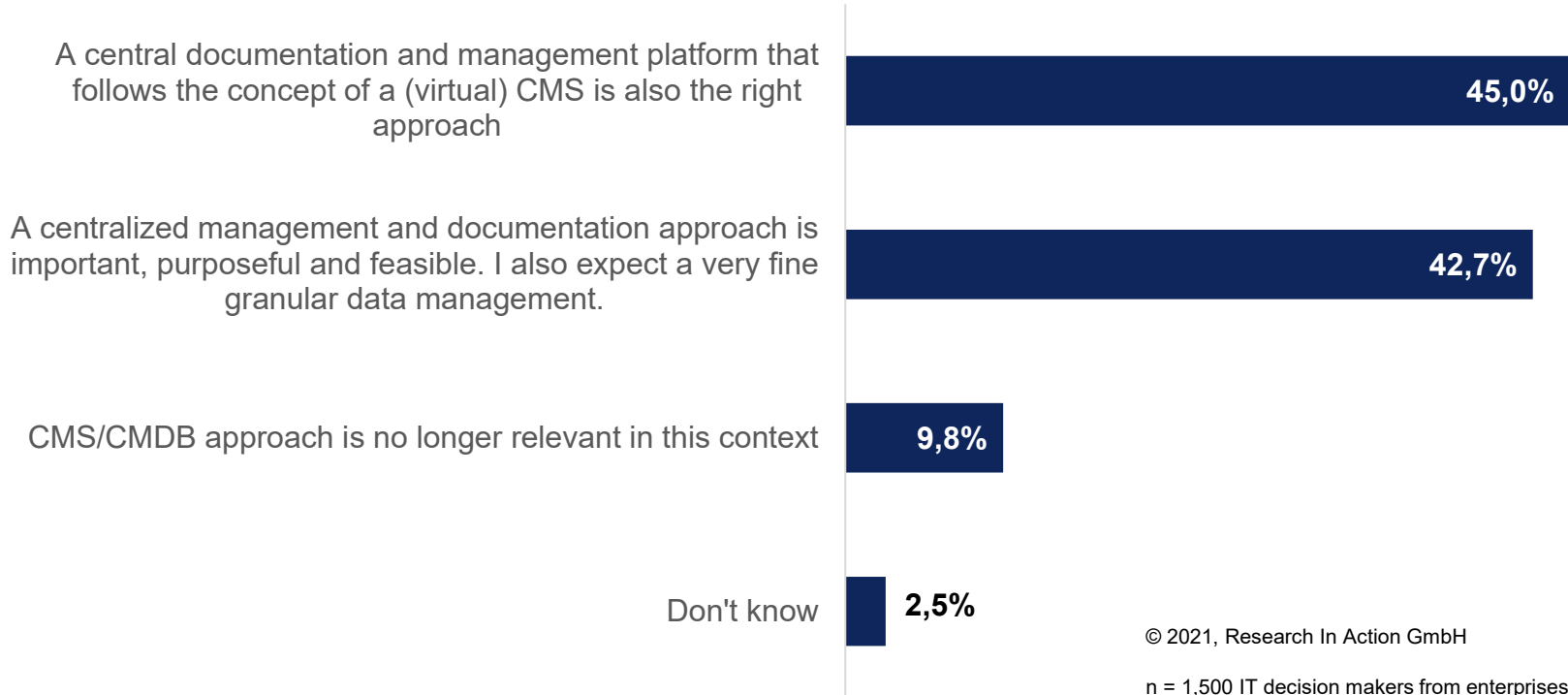
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// The importance of oversight and transparency in the operation of hybrid infrastructures: Which statement most closely matches your conviction?

It is necessary to use a hybrid infrastructure management system — **42,7%**

Solutions designed for multi-Cloud management, together with data from operational management systems and provider consoles are sufficient — **32,0%**

Operational management systemens and consoles of hyperscalers / providers are sufficient — **20,3%**

Don't know — **5,1%**

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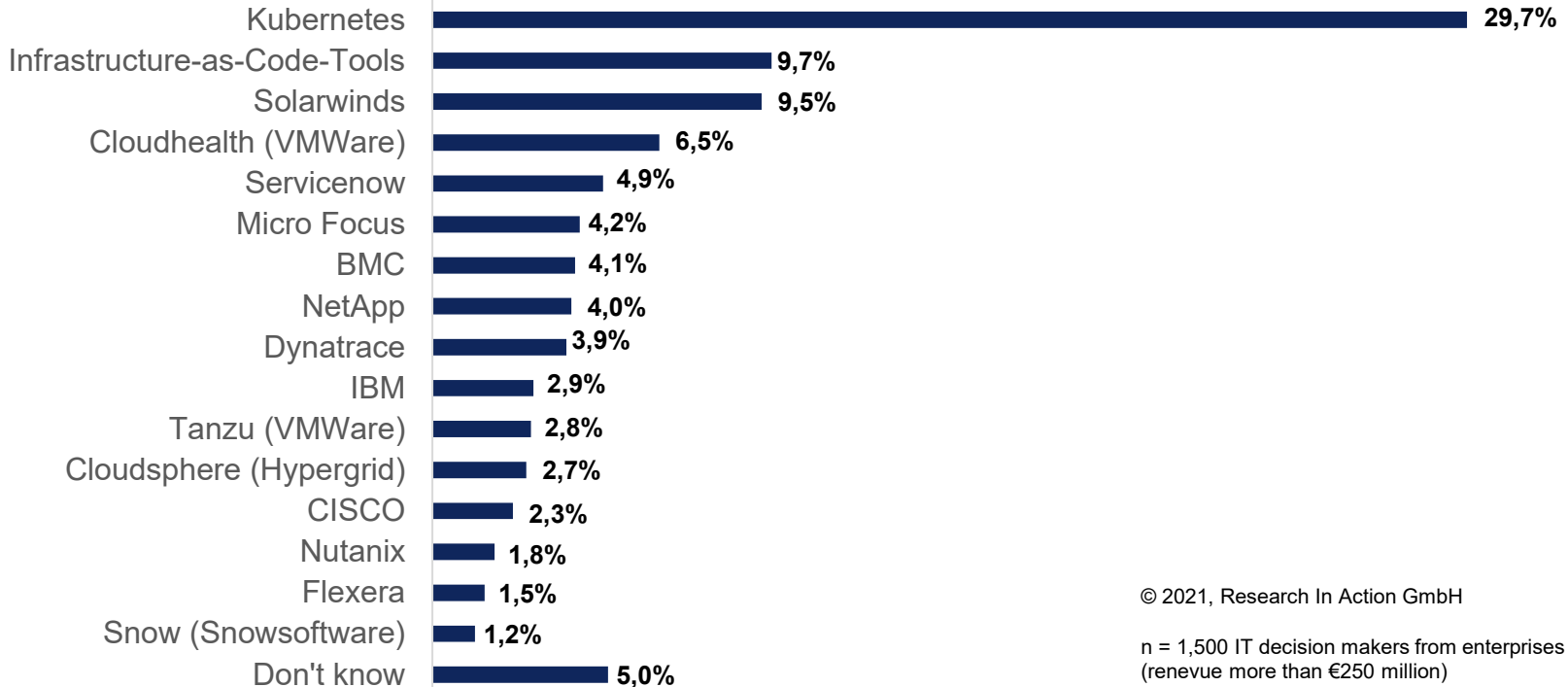
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// If c) selected previously. Regarding timeliness, detail, scope of information in a holistic infrastructure management & documentation approach for hybrid environments: Which matches your belief?

A central documentation and management platform that follows the concept of a (virtual) CMS is also the right approach — **45,0%**

A centralized management and documentation approach is important, purposeful and feasible. I also expect a very fine granular data management. — **42,7%**

CMS/CMDB approach is no longer relevant in this context — **9,8%**

Don't know — **2,5%**

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// Relevant solutions, tools and utilities in your hybrid infrastructure environment: Which of these are in use in your organization (now or within 2 years) and do you consider relevant for integration with holistic infrastructure documentation? (Multiple choice if applicable)

| Solution	Percentage
Kubernetes	29,7%
Infrastructure-as-Code-Tools	9,7%
Solarwinds	9,5%
Cloudhealth (VMWare)	6,5%
Servicenow	4,9%
Micro Focus	4,2%
BMC	4,1%
NetApp	4,0%
Dynatrace	3,9%
IBM	2,9%
Tanzu (VMWare)	2,8%
Cloudsphere (Hypergrid)	2,7%
CISCO	2,3%
Nutanix	1,8%
Flexera	1,5%
Snow (Snowsoftware)	1,2%
Don't know	5,0%

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// Three major takeaways

- A holistic overall infrastructure documentation & management including the Cloud infrastructure usage in of its forms is considered to be an important necessity

- The majority of infrastructure managers see the basic principles of the CMS/CMDB approach still valid, albeit with increased and improved abilities to stay up-to-date in near realtime,

- Kubernetes (K8) integration is currently considered the most important data source for an integration into infrastructure documentation & management solutions
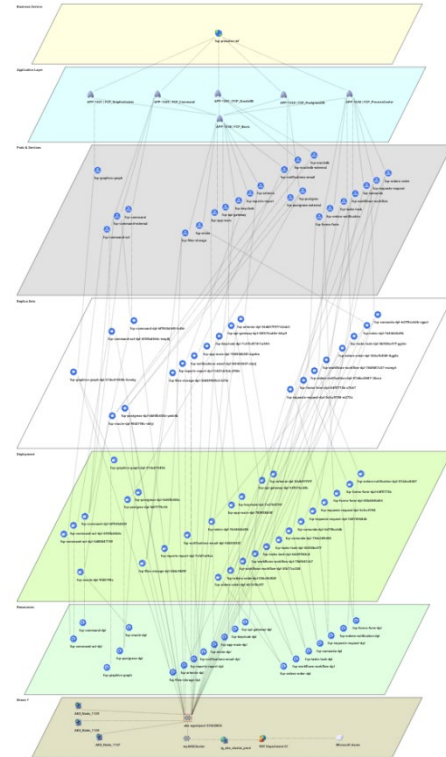
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// Short preview of the live solution presentation "Kubernetes"

- Dashboard with overview Kubernetes node pools capacity and utilization analysis
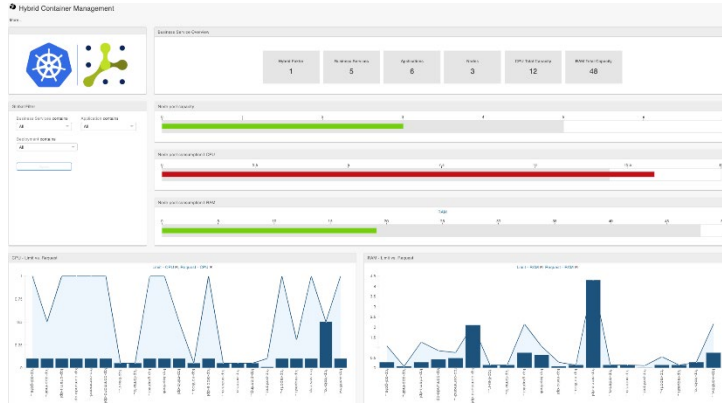
- Data view in FNT Command with attribute expansion and data attribute values from Kubernetes with Namespace, Services, Master Applications being run on K8, Cluster and pod relations

- Complex relations: K8 infrastructure dependencies in the substructure of business services and applications

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// Use case scenarios

- Fundamentally document IaaS elements of the organizations public cloud usage

- Visualise status of hybrid/cloud infrastructure elements

- Record purposes of use, responsibilities and contractual affiliations

- Make hybrid dependencies to the application level and to the level of business processes visible

- Monitor planned usage periods of subscribed infrastructure cloud services (Cost controlling/cost reduction I)

- Documentation of Kubernetes and Openstack infrastructures (Cloud technology usage for Private Cloud)

- Monitor multicloud use (Azure only one demonstrated example)

- Ensure compliance with standards in hybrid operation and determine and document protection requirement classes (in combination with a partner solution)

- Cloud cost tracking with comparison of forecast target cost vs. actual cost (Cost controlling/cost reduction II)

  - already in focus of the current solution scenario   · extended scenarios with additional configurations/integrations/partner solutions

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// Your benefits

Bring transparency to your cloud usage:
Make cloud sprawl visible and controllable.

Avoid unnecessary costs/strive for cost control & reduction:
Uncover usage of cloud infrastructure subscriptions beyond planned maximum usage periods

Speed up tedious research processes:
Locate responsibilities & contact persons for cloud infrastructure subscriptions easily and reliably

Enable complete overviews and comparative analyses:
Display data from multicloud environments in a standardised way.

Reduce certification efforts and minimise audit risks:
Be able to prove comprehensive cloud usage documentation with just a few clicks

Make complexity manageable:
Display hybrid constellations within application constellations (local, private cloud, public cloud)

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// Thank you!

Matthias Gromann // +49 7961 9039-2234 // matthias.gromann@fntsoftware.com