

# Identity Management in IoT: Identity of Things (IDoT) Market Outlook and Forecasts 2017 - 2022

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## Abstracts

Today's Internet of Things (IoT) deployments largely represent silo implementations of company-centric solutions. The future scalability of IoT will depend on communications between different suppliers, service providers, and users on a cross industry vertical basis. In order to support this future, there is a need for reliable identification of assets (platforms, gateways, devices, and data) in IoT.

There is a need for Identity of Things (IDoT) management solutions to support communications between otherwise disparate IoT systems and networks. These solutions will evolve to include critical support functionality such as IDoT verification, permissions management, and discovery that will be provided by a combination of premise-based and cloud-based infrastructure.

Closely associated with Thing Identity is Authentication, Authorization, and Accounting (AAA) functions relied upon to verify Thing Identity and allow things to engage in various communications and actions. However, AAA requires the availability of reliable identity information associated with IoT network elements, devices, actors, and data.

Mind Commerce sees many opportunities and challenges ahead as IDoT is deployed. For example, there will be a need to deal with the inevitable "IoT Spoofing" that will occur as IoT applications and services scale to greater size and economic significance. However, we anticipate that leading companies will provide Directory, Registry, and Database Services to support necessary identity management, authorization, and other OSS functions.

This research evaluates the technologies, companies, solutions, and infrastructure to support IDoT. The report assesses the current state of digital identification management

and looks towards the future needs of IDoT. The report includes details forecasts for IDoT globally, regionally, and by industry vertical and deployment model. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

#### Select Findings:

Digital ID to play a Key Role in IoT Authentication and Security

There will be a need to deal with the inevitable "IoT Spoofing" that will occur

IoT Identity as a Service in the Cloud will constitute 47% of deployments by 2022

There will be a sizable opportunity for database services in support of IoT ID management

Efficient IDoT solutions will become imperative as IoT moves beyond silo company centric operations

#### Select Report Benefits:

Detailed IDoT forecasts through 2022

Understand what Things must be identified and why

Understand how Thing Identity relates to IoT Authentication

Identify key physical and logical infrastructure for IoT ID management

Understand the evolution and future needs for managing Thing Identity

Learn the role and importance of AI in IoT Authentication and Authorization

Understand the need for Thing Identity of networks, devices, actors, and data

Target Audience:

Network service providers

IoT infrastructure providers

Systems integration companies

Identity management companies

IoT platform and application developers

Managed communication service providers

Directory, Registry, and DB Services providers

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