oneM2M application-ID registry

manage, maintain and monetize your oneM2M applications

the foundation for IoT market growth and success

The oneM2M[1] Application-ID Registry addresses the critical need for IoT applications and devices to interoperate with each other and interconnect across different service provider networks for seamless delivery of data, solutions and services.

This IoT AppID Registry provides a central trusted repository of IoT application identities and profiles to enable oneM2M IoT platforms to identify and authenticate IoT device application data from known trusted sources.

The iconectiv AppID Registry solution enables application developers, vendors and service providers to uniquely identify and track IoT software applications regardless of device. By using acentralized and a standards-based IoT application identification format, our IoT AppID registry overcomes the security issues and challenges of keeping track of increasingly large numbers of applications and devices with non-standard or proprietary application identifiers.

An IoT App ID Registry provides virtual trust for IoT security to IoT platforms and across the ecosystem for all stakeholders, ensuring that IoT applications and the data they produce can be trusted. This will facilitate trusted sharing and commercialization of IoT data.

iconectiv's AppID registry underpins the IoT marketplace, to deliver innovative services that can flourish knowing that the underlying framework is secure and trusted.

industry registries

common short codes

appID

simplify operations and reduce costs with a centralized IoT application registry

The IoT AppID Registry leverages more than 30 years of iconectiv experience in building and maintaining secure data industry infrastructure and network management software. The benefits an IoT AppID can provide to stakeholders:

- Unique identifiers – iconectiv provides a unique global identifier to accurately profile the connected IoT device or application and ensure only trusted connectivity onto oneM2M IoT platforms

- Increased revenue streams – service providers can share and monetize 'trusted' IoT data easily across a broader set of applications and services

- Cost reduction – a registered IoT AppID will enable automated onboarding, enrollment and data management for new or exchanged IoT devices

iconectiv®

oneM2M application-ID registry

manage, maintain and monetize your oneM2M applications

manage, interoperate and interconnect your applications

The iconectiv IoT AppID Registry, is a highly scalable data management solution that enables registration and authentication controls over the full lifecycle of your IoT applications. The iconectiv solution plays a central role registering and deploying applications onto IoT networks and specifically on the oneM2M platform. Service providers can use this solution to identify and validate connecting IoT applications, that they are authorized to run on their networks, for :-

- Enrollment – Automated identification of the connecting IoT application and how to onboard it, using what authentication procedure.

- Authentication – Automated verification of the IoT application credentials and if they can be trusted.

- Data verification – Data model description for the connecting IoT application and its mapping to the oneM2M ontology.

- Resource allocation – Definition of the IoT application resource profile, so that the appropriate IoT platform resources can be assigned.

By enabling a consistent and accurate identification of application components, the iconectiv AppID registrations solution facilitates a seamless interconnection environment that eliminates the accumulation of information silos and allows data and information to be quickly and efficiently exchanged between numerous applications and devices from multiple vendors.

why a centralized IoT application registry?

The IoT AppID Registry helps you:

- Securely and efficiently manage AppID registrations using iconectiv's trusted and reliable industry-leading registries

- Easily integrate with third-party IoT applications using standard web services interfaces

- Identify and authenticate known/managed or any unknown/unmanaged IoT applications connecting to the IoT Platform.

- Simplify interconnection between IoT Platforms to share trusted data

- Rapidly on-board and monetize your IoT devices and application software

let's talk about your IoT application management needs

Please contact us to discuss how we can help you simplify IoT application registration and lifecycle management, generate new revenue streams from value-added services, and save money with a single platform for managing applications.

about iconectiv

As the authoritative partner of the communications industry for more than 30 years, iconectiv's market-leading solutions enable the interconnection of networks, devices, and applications for more than two billion people every day. Working closely with private, government and non-governmental organizations, iconectiv continues to protect and secure telecommunication infrastructures for service providers, governments and enterprises, while providing network and operations management, numbering, registry, messaging and fraud and identity solutions to more than 1,200 organizations globally. A US-based company, Telcordia Technologies, does business as iconectiv.

make the connection.

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