



## Machine-to-Machine

Asavie Machine-to-Machine (M2M) provides an on-demand, scalable and resilient method of connecting M2M devices via the mobile network for applications such as telematics, remote monitoring and field-force automation. Any SIM enabled device can be connected without installing software on the device, providing full bi-directional communications between remote devices and LAN hosts. Asavie M2M assures information integrity and includes full logging and reporting of service activity. Connectivity is simplified and secure, and supports transparent failover in the event of failure.

### Rapid M2M deployment

Asavie M2M is integrated with leading mobile networks globally removing the delay and complexity of establishing secure mobile connectivity. Integration of enterprise networks is provided on-demand with the Asavie M2M software agent or via router configuration. The rapid deployment model delivers secure and scalable M2M communications in hours in contrast to alternatives that can take months.

### On-Demand

Devices may be provisioned for access as and when required by simply registering the device SIM. Using the web administration interface new devices can be connected to Asavie's M2M service immediately, simplifying setup and delivery of new devices. This allows projects to scale rapidly from pilot to production and enables rapid reaction to changing business demands.

### Unified Platform

The service provides connectivity from any SIM enabled device over any of the supported operators. Multiple service providers are interconnected to Asavie M2M enabling the combination of leading national and international mobile networks into a unified access network. Each device can use the optimal network provider without the complexity of managing multiple operator interconnects.

### Centralised Easy Administration

The service is easily managed from any web browser with options to define individual management roles and allowed administration locations. The administration interface provides a real-time view of devices and is used to provision devices, manage access policies and configure network features. Configurations, policies and profiles are stored centrally ensuring consistency and simplified administration.



### At a glance:

- Reduce cost and delivery with a fixed cost per SIM
- Only true On-Demand M2M communication platform
- Select optimum national or international Operator network for M2M device
- Assign IP addresses without restrictions
- Real-time auditing and reporting of operational and security events
- On-Demand scalability to tens of thousands of devices

## TECHNICAL HIGHLIGHTS

### Resilient and Highly Available Service

Resilient connectivity to the enterprise network is an integral part of the service with transparent rerouting of traffic in the event of equipment failure. Deploying multiple instances of M2M routers or M2M software agents provides resilient connectivity to Enterprise networks and disaster recovery sites. Devices with SIMs connected to different operators can failover between provider networks and retain the same IP address.

### End-to-End Communications

Asavie M2M provides bi-directional IP connectivity between connected devices and the enterprise network with the option of defining overlay networks to enable communications between connected devices. Connected devices may also be accessed from authorised PC clients enabling remote management and control of devices from field workers outside the enterprise network.

### Comprehensive Security

Security is a core feature of Asavie M2M ensuring the privacy and integrity of all communications. Access controls may be applied at individual device and network levels and all connections are logged in real-time. Devices are authenticated for access based on the MPN/IMSI of the SIM and login credentials. Authentication and authorisation may be integrated with enterprise RADIUS services.

### IP Addressing Flexibility

Connected devices are assigned an IP address from a customer defined address pool regardless of the operator network in use. Device IP addresses will always be the same even when replacing a faulty SIM or switching operators. Additional overlay networks with unique subnets can be defined to enable communications between devices.

### Device Compatibility

Any device with a SIM may be integrated whether a smart metering device, a mobile router or a hand held. There is no device software to install – simply configure the Asavie M2M access point (APN) on the appropriate operator network. For supported devices, the APN configuration can be applied over the air using SMS.

### Easy Integration with Enterprise Systems

The Enterprise network is integrated with the Asavie M2M platform via Asavie M2M software agents or via tunnels defined on routers. Tunnels may be established using a router using a variety of protocols (Internet/IPSec, GRE, MPLS and private link). The Asavie M2M software agent may be deployed, on-demand, on any Windows host and maintains an outbound SSL connection to the service.

### Rapid Piloting

With an on-demand architecture, pilot projects can be executed quickly reducing project risk and allowing resources to be focused on application deployment. With no investment in hardware or operator integration, the service provides the quickest way to deliver M2M projects.

### About Asavie

Asavie is the leading provider of on-demand solutions that accelerate the secure exchange of information between people, applications and devices. Asavie's purpose-built and proven unified connectivity platform delivers seamless connectivity, regardless of network, technology and location. Asavie solutions maximise information availability, ensure the security of information exchange, and optimise operational efficiency.

Contact us to discuss how Asavie can address your Machine-to-Machine requirements.

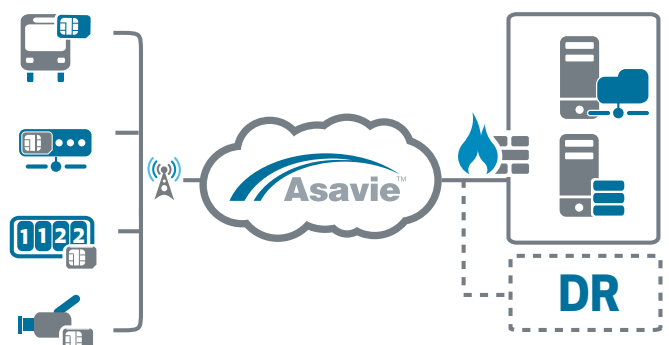


Fig 1. Integrate any SIM-based device with enterprise application servers and disaster recovery sites

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