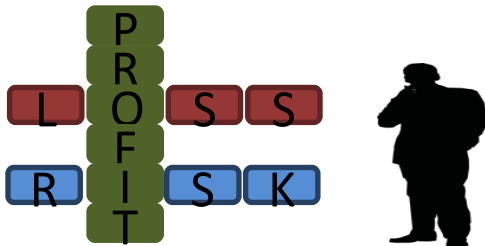


M2M Market

- The total M2M connections will grow from 62 million in 2010 to 2.1 billion in 2020, with an annual rate of 36%.
- M2M connections will be 19% of the total amount of mobile connections in 2020, with mobile carriers reaching €40 billion revenue in this €714 billion market.

M2M Problems



Increasing Fraud

- ⤴ Fraud growing due to M2M services
- ⤴ M2M companies out of market
- ⤴ Millions in lost revenue by carriers

Public IPs Availability and Security

- ⤴ Public IPs are a limited resource
- ⤴ Unwanted traffic from hackers, search robots, and other attacks when using public IP addresses.

Asset Management Problems

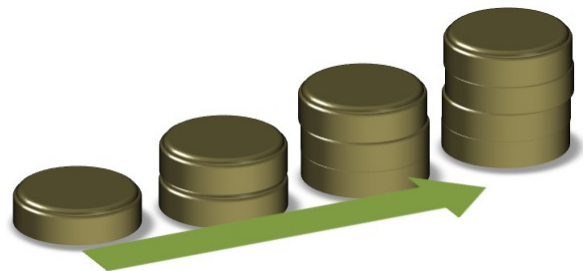
- ⤴ Bandwidth is an expensive resource
- ⤴ Customers don't acknowledge data cost in phone their bills
- ⤴ Revenue loss due to lack of management capabilities for Assets and Chips.

M2M Applications

- Vehicle tracking – GPS
- Logistics Management
- Public Transportation
- Security and Asset protection companies
- Utilities
- Payment Systems
- Sales Force Automation
- E-Health
- ATM's

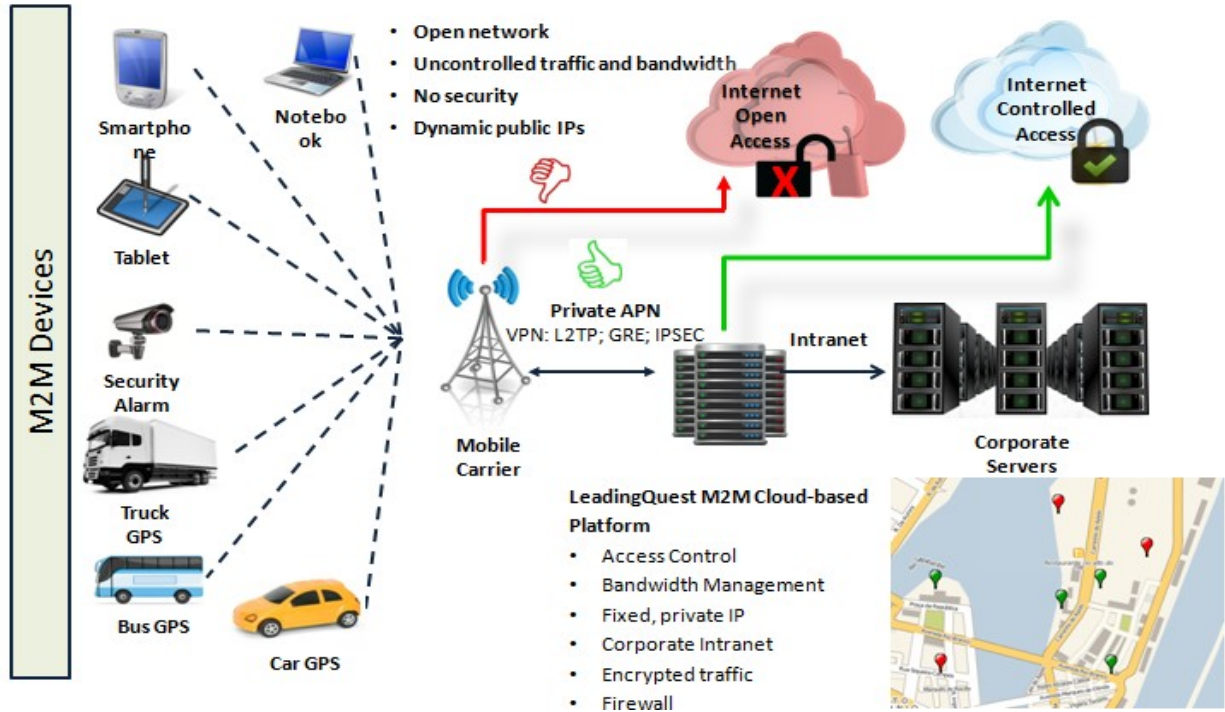
Our M2M Solution

- Private APN and M2M Platform
- M2M Corporate Intranet
- Static, private IP's
- Asset manager for equipments and SIM cards
- Bandwidth and internet data control
- Access Control with firewall
- CDR (call detail record) for managerial reports
- Safety and revenue guarantee
- Fraud prevention and detection



Cloud-based M2M Platform with 100% Web-based Management Tool

M2M Cloud-based Platform



M2M - Benefits

Mobile Carriers

- Use of Private IP's to save the public IP's stock
- Guarantee of revenue, cutting millions in unpaid invoices
- Fraud prevention, eliminating unwanted traffic
- Better performance of data infrastructure
- Optimizing internet bandwidth use



Enterprise M2M

- Static, private IP – M2M Corporate Intranet
- Quick implementation – 100% web-based applications
- Safe transactions, protecting and securing data
- Platform for every M2M application
- Multiple carriers support
- High performance Data Centers in the USA
- Detailed utilization reports, for better management
- Cutting operational cost with asset management and increased productivity in operations due to efficient asset management
- New service opportunities

SMS – Sending and Receiving Messages

Multiple Resources:



- Sending SMS via web portal
- Sending SMS via Gtalk
- Sending SMS via your system, with our integration API's
- Receiving SMS via email
- Automated campaigns
- Exclusive tags to receive SMS

M2M Platform

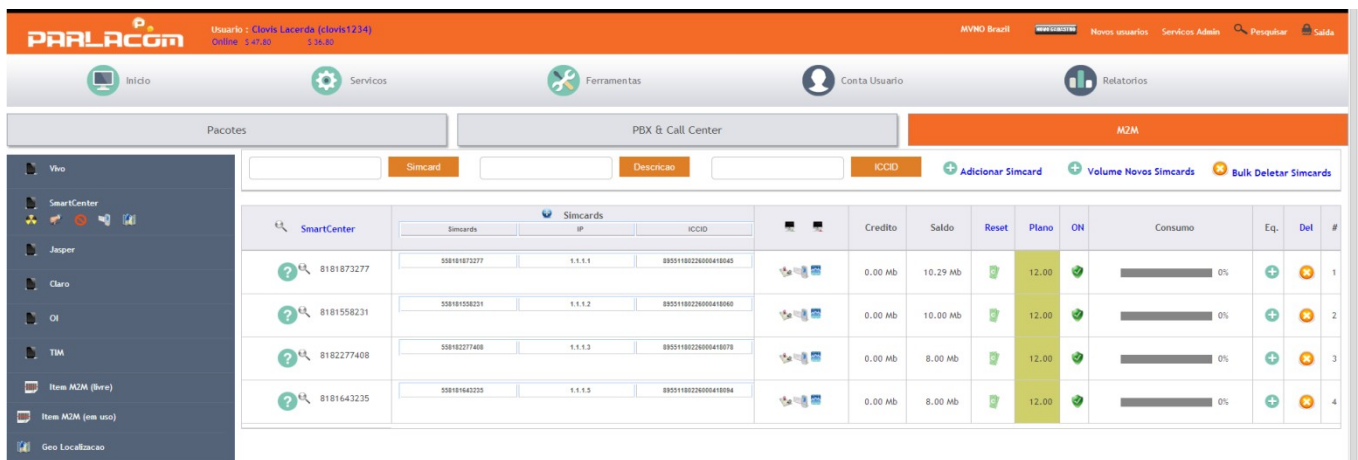
- Traffic control; MDM; mobile apps
- Voice and Data: Telephony (PBX, Call Center, MVNO) and M2M
- Multiple hierarchy with no limits, multiple users
- Private Label; fully customizable; 100% web-based
- Integrated APIs
- Multiple carriers: Vivo M2M/Smartcenter, Claro, Oi, TIM, Optimus/Jasper, Vodafone/Datora
- VPNs; customised firewall; IP Proxy; Geolocation; SMS



PARLACOM | Usuario: Admin Parlacom (admin) | Online: 1.20134.85 | \$450.10 | MVNO Brazil | Novos usuarios | Servicos Admin | Pesquisar | Saida

Inicio | Servicos Admin | Ferramentas | Conta Admin | Relatorios

Grupo	Nome do Usuario	Servicos	Cadastro	Vencimento	Saldo Bancario	Painel de Controle	Gravacoes	Filas	Deletar	#
Int	Intelbras Tecnologia	⚙️	👤 📄	21	100.00	🔍	🎤	📁	🗑️	1
Int	LeadingQuest LLC	⚙️	👤 📄	28	88.50	🔍	🎤	📁	🗑️	2
Int	Parlacom LTDA	⚙️	👤 📄	22	10.93	🔍	🎤	📁	🗑️	3
Int	Portal Parlacom	⚙️	👤 📄	03	0.00	🔍	🎤	📁	🗑️	4



PARLACOM | Usuario: Clovis Lacerda (clovis1234) | Online: 1.47.82 | 3.36.82 | MVNO Brazil | Novos usuarios | Servicos Admin | Pesquisar | Saida

Inicio | Servicos | Ferramentas | Conta Usuario | Relatorios

Pacotes | PBX & Call Center | M2M

Adicionar Simcard | Volume Novos Simcards | Bulk Deletar Simcards

SmartCenter	Simcards	IP	ICCID	Credito	Saldo	Reset	Plano	ON	Consumo	Eq.	Del	#
8181873277	558181873277	1.1.1.1	885118022600418045	0.00 Mb	10.29 Mb	🔄	12.00	🟢	0%	+	✖	1
8181558231	558181558231	1.1.1.2	885118022600418080	0.00 Mb	10.00 Mb	🔄	12.00	🟢	0%	+	✖	2
8182277408	558182277408	1.1.1.3	885118022600418078	0.00 Mb	8.00 Mb	🔄	12.00	🟢	0%	+	✖	3
8181643235	558181643235	1.1.1.5	885118022600418084	0.00 Mb	8.00 Mb	🔄	12.00	🟢	0%	+	✖	4

SIMPLIFIED CONNECTIVITY, ALLOWING A UNIFIED EXPERIENCE FOR CLOUD INTEGRATION, LOCAL AND BUSINESS-TO-BUSINESS

With the use of Enterprise Service Bus (ESB) as the basis for shared services.

Synchronizing processes for business optimization;

Scalability with Nginx.

Layer abstraction and architecture oriented for Test-driven development (TDD);

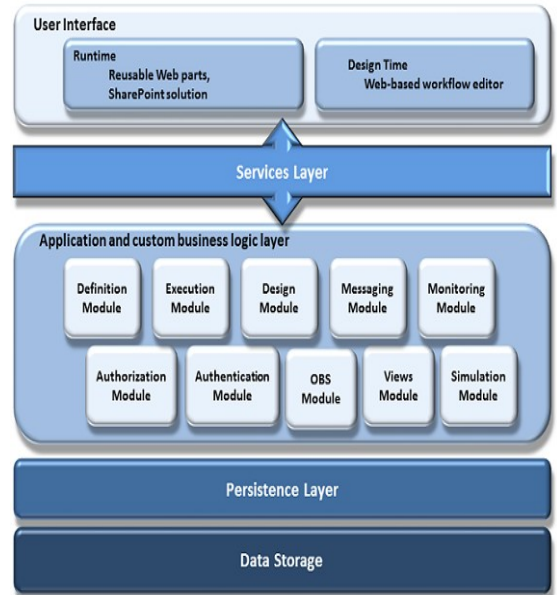


Authentication with public and private key;

Monitoring Business Activities, offering more visibility of business regarding its functions;

Solution developed over Spring platform <http://spring.io>

Bus services are provided through a RESTful architecture.



Vertical Markets

Smart Grid

Smart grid is the use of information technology for the electric system, integrated to the communication systems and the automated network infrastructure.

