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## Permissioning Register (SPR) and Provisioning Portal Overview

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Ease and flexibility of configuration of security policies is an essential enabler for network based content filtering and message filtering. Definition and management of policies will enable network and age based profiles, as well as personalised consumer and corporate control services.

- Complex policies will be required for all services and content defined from the subscribers perspective to enable persubscriber policies
- Policy administration must support the mobile operators business environment which may include MVNO hosting
- Portals must be customized and branded for each operator, corporate customer or value added service brand
- Effective integration is required into the value-added service infrastructure to maximize the returns from filtering based services e.g. Corporate customer policy management, parental control, 'my first mobile' packaged services.

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## SPR & Provisioning Portals

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The SPR is the data repository and data management infrastructure at the core of our content and message filtering solution. The provisioning portal and other service specific portals provide the mechanisms for configuring the behaviour of each customer or customer group with the need for a specific security policy. The SPR and provisioning portal are en-abling components for customized filtering and customer specific reporting and notification services. The SPR provides the ability to manage very large numbers (millions) of customer specific policies. Policies can be managed and administered either by the service provider or be administered by the end customers themselves using the optional "Parental Portal". Market Studies show that parents are willing to pay \$4-5 per month for control services in addition to protection services. Corporate customer self care and corporate customer reporting offer valuable service options for the corporate market segments. The provisioning portal is an easy to use configuration tool for administering security policies for administration staff, but also acts as the framework for branded value-added services portals that can be integrated into existing customer self-care systems or be deployed in a stand-alone infrastructure.

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## Features

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- Management of millions of customer policies
- Optimized integration with existing customer reference information databases
- Single point for policy configuration
- Customizable portals for value-added service deployment
- GUI and Programmatic security policy definition
- Support for hierarchical administration of security policies
- Flexible integration with customer reference information sources (SQL, XML, LDAP etc)
- Configurable caching of subscriber policies
- Specification of specific filtering resources on a per policy basis (URL databases or AV databases specific to a customer)
- Open system configuration supporting value added services implementations; Parental portals; Corporate customer self care & Age Verification plug-ins.
- Automatic support for MVNO deployments; Allowing MVNO's to define their own policies and redirections to branded portals

## Benefits

The AdaptiveMobile SPR and Portals work within the mobile network to deliver the fine grain controls to maximize the returns from content and message filtering. By implementing the AdaptiveMobile SPR and Portals, operators are able to:

- Provide self managed parental control services, including anti-bullying blacklists and filtering of unsolicited messages.
- Turn the costs of meeting regulatory requirements for control of Adult content and message filtering into a revenue generating opportunity.
- Deploy age associated categories of customers and target content based on analysis of service usage
- Provide corporate subscribers with the means to self manage corporate usage, spend and liability; Provided as a value added service
- Bundle service packages targeting niche markets; 'My first Mobile' service; School Usage services, Religious belief enabled services – quiet time & Office Hours Acceptable Usage.

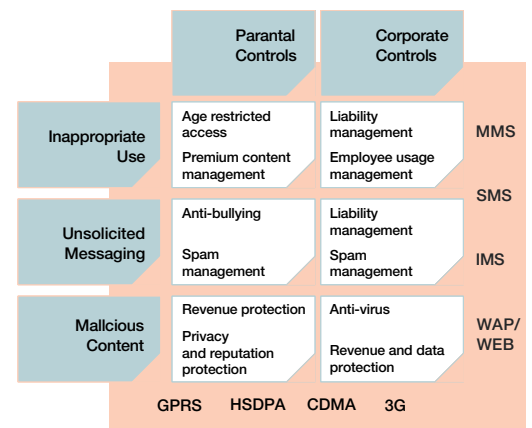
## Solution

The AdaptiveMobile SPR and Portals are part of the AdaptiveMobile Messaging and Data Control Environment (MDCE) which provides a scalable network security services layer that interfaces between existing network elements, BSS/OSS and the enterprise security components for content filtering, virus scanning, image analysis and spam analysis

The MDCE enables consistent subscribercentric filtering across all services and access networks. This approach allows operators to deploy individual filtering solutions such as URL Filtering or MMS Filtering as an initial service, but retaining the option to plug in additional filtering capabilities such as anti-virus scanning or spam filtering without the cost overhead of multiple integration points.

## Product

Filtering	MM1 / 3 / 4 / 7, SMS, Web & WAP Content Filtering
Database Interfaces	RADIUS, LDAP, XML, ODBC
URL Lists	IWF, SurfControl, Symantec, Rulespace, Websense, Puresight
AntiVirus	McAfee, Symantec, GriSoft, ClamAV, TrendMicro
Supported OS	Solaris 9, 10; Redhat Linux Advanced Server 3.x, 4.x
Sys Mgt	SNMP v2
Event logging	XML
Management Interfaces	Provisioning & cache management Web services; J2EE Provisioning and administration portal



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