

Application Test Suite

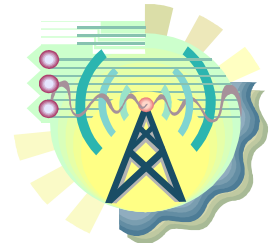


Open API Solutions

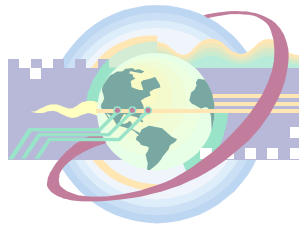
The Integration Testing Solution

The process of testing and validating telecommunications applications can take a long time and forms a sizeable proportion of the cost of a development project. Application developers need a way of reducing both their time-to-market and their costs.

Enterprise/Gateway/Network Operators need a way of validating applications before deploying them. An application's behaviour in both normal and erroneous conditions within the network must be known before deployment. For any carrier class application, you must be able to prove all the characteristics of a telecom carrier grade system - providing fault tolerance, and scalability for supporting millions of subscribers.



The Open API Solutions Application Test Suite (ATS) provides for the easy, rapid and cost-effective development of Parlay/OSA applications. The ATS allows enterprise operators and gateway operators to test the behaviour of an application before deploying it in a gateway.



Next generation services

The next generation of communication systems (wireless, fixed line, or VoIP) require the development of new revenue generating services to drive their adoption. Network Operators are faced with growing demands to find a cost effective way of integrating imaginative services into their networks. However, with so many different vendors and different implementations of specifications, the integration of any two systems remains time consuming and costly. If only all networks had a common interface... Parlay and 3G Open Service Access (OSA) are working to create standard working interfaces to common network elements that can be used in a secure manner by applications that could be outside of the network. This allows the I.T. and Telecommunications worlds to converge.

Open API Solutions

Open API Solutions is a truly independent software vendor, utilising the advantages of the Parlay and 3G Open Service Access (OSA) APIs to ensure that applications will work immediately without the need for exhaustive and expensive integration efforts.

Open API Solutions' vendor independence enables you to automatically test complicated scenarios to ensure the development of a trusted, conformant application, enabling deployment of the same highly tested application onto different vendor gateways.

Advantages

For the Developer

There are no ties to a specific service creation environment or IDE, so you are free to choose or develop your own.

The automated testing allows for iterative or phased development, whilst retaining quality levels.

By using a software solution, it means no specialised hardware or lab equipment is required. All the testing can be done within your own desktop environment.

For the Gateway/Network Operator

The right service in your Parlay/OSA gateway can attract and retain customers, and with vendor independence you can select from a larger supplier market of both services and applications. The Parlay/OSA APIs provide for easier integration into your gateway, and enable a rigorously tested solution to be faster to market.

The *Application Test Suite* allows easier evaluation of potential applications and services (the services provided with the ATS are examples of what can be achieved with Parlay/OSA), without using valuable laboratory/network resources. It enables you to prove the behaviour of an application when faced with loads generated in the network, which provides confidence prior to network rollout.

The inclusion of a Parlay Framework in the ATS allows you to test the compliance of any application. This provides security and protection for your network resources.



Application Test Suite Features

The ATS is composed of a Framework, plus a number of optional Parlay API components which run on the core system:

- Framework 'Light' implementation;
 - Limited capacity version of our separately available Framework,
 - Authentication, Encryption,
 - Discovery, Registration,
 - Service Subscription,
 - Event Notification,
 - Integrity Management, OAM&P
- Multi Party Call Control;
- Generic Messaging;
- User Location;
- User Status;
- User Interaction;
- Terminal Capabilities;
- Content-based Charging.

These building blocks are added to the core system, scalable to match your specific needs, which provides:

- Network emulator, allowing network testing without hardware
- Easy GUI-based test development system, allowing the development and execution of completely automated testing scripts
- Cross platform availability:
 - Windows,
 - Solaris,
 - Linux
- API Logging, recording all traffic across the Parlay/OSA interfaces
- Load Generation, simulating real network traffic for application stress testing.
- Flexible licensing/leasing options

Putting it all together

The Open API Solutions Application Test Suite provides all this in a package that can run on your desktop, addressing your testing needs and enabling Parlay/OSA skills and expertise to be developed quickly and cost-effectively. Application developers and Gateway/Network Operators can demonstrate high quality, proven applications. This will provide simpler integration between all the network components, and enable earlier deployment.

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