

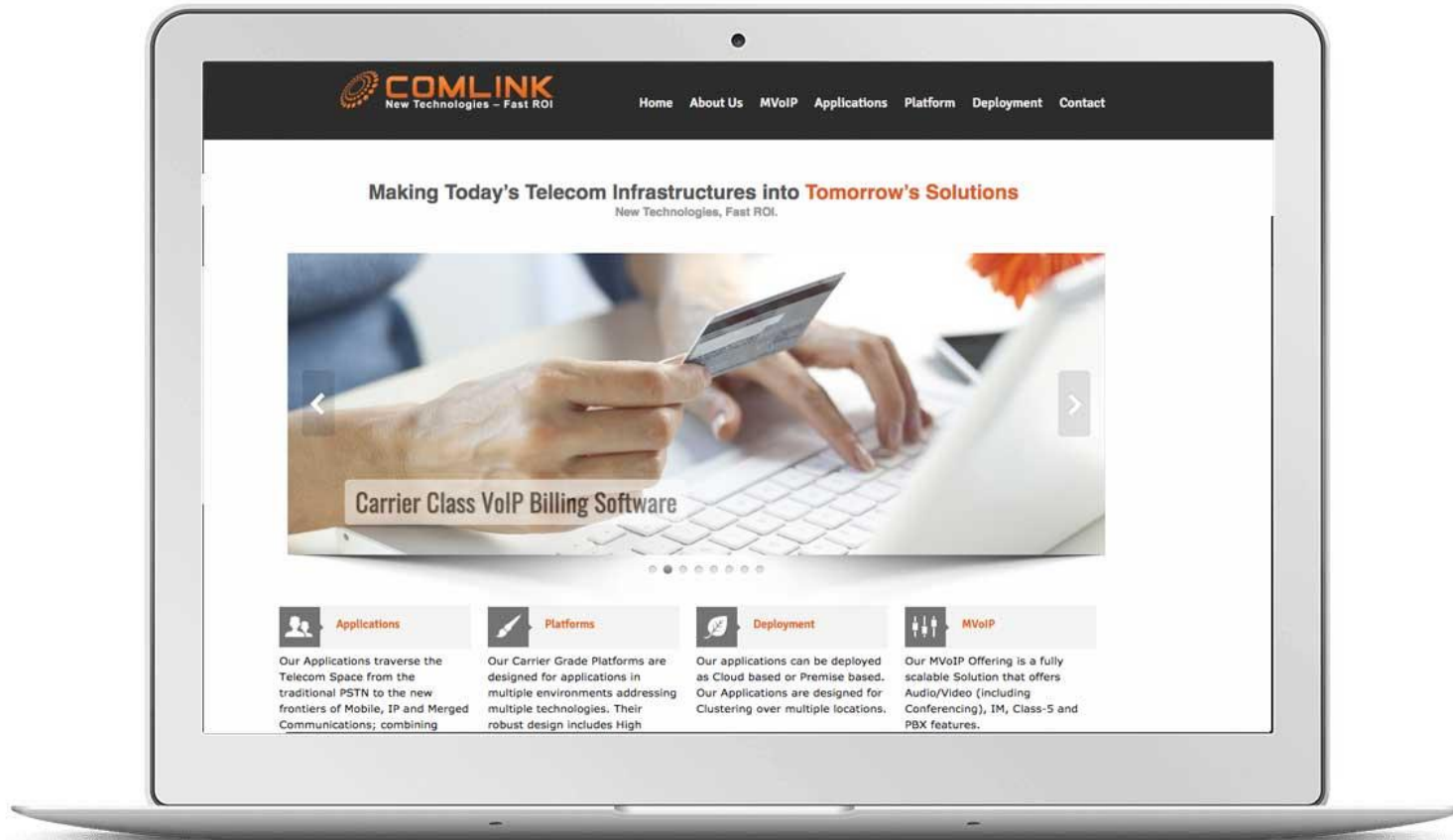


REDEFINING
TECHNOLOGY,
CREATIVELY



Case Study





Making Today's Telecom Infrastructures into Tomorrow's Solutions

New Technologies, Fast ROI.



Carrier Class VoIP Billing Software



Applications

Our Applications traverse the Telecom Space from the traditional PSTN to the new frontiers of Mobile, IP and Merged Communications; combining



Platforms

Our Carrier Grade Platforms are designed for applications in multiple environments addressing multiple technologies. Their robust design includes High



Deployment

Our applications can be deployed as Cloud based or Premise based. Our Applications are designed for Clustering over multiple locations.



MVoIP

Our MVoIP Offering is a fully scalable Solution that offers Audio/Video (including Conferencing), IM, Class-5 and PBX features.

What is Comlink?

Comlink has become one of Canada's best Application Developers for Telecommunication. Focuses on leveraging existing infrastructures and platforms to provide effective solutions that accommodate the needs of our customers today and for tomorrow.

Comlink's growth in developing Telco grade server software and applications, (including gateways applications, ICRIVR, Telepresence call manager, all aspects of the SIP protocol, social networking API's, and voice conferencing solutions) gave us the knowledge and experience for developing Rich Communication Suite products for mobile operators.



Tech Stack & Category

Technologies

1. Java 8
2. Python 2.7
3. Maven 3.5.3
4. Cassandra 3.11.2
5. Spring Boot
6. AngularJS 1.x
7. Hibernate

Category

Telecommunication & Identity Management





Key Features

- Eclipse-Based IDE for creating/modifying/managing Voice Scripts
- Drag and Drop to create Call Flows in CCXML/VXML
- Full Run time debugger
- Scalable from 2 ports on a single machine to a distributed cluster with load balancing servers, accommodating very large enterprise systems
- Multiple virtual hosts to isolate development and production environments allowing for quick testing, debugging and deployment of new scripts without affecting the production environment
- Test and Deploy in Real-Time on the system
- Full CCXML/VXML servers and browser
- Extension support for calling web services, Java Scripts, Database lookup and Perl/CGI scripts
- Extension mechanism allowing for module plugins written in JAVA, Perl, WEB Services, etc. to allow for a greater flexibility in application development
- The Platform is interoperability tested with most of the dominant Switches such as Cisco Call Manager, Sonus and others



How it works?

Application provides for automated/operator assisted Collect, Prepaid Card and Calling Card calls. The mainstay of the system is the SIP Application Server Cluster that will handle the Incoming call, interface with the Media Server to provide the Voice Prompts and gather Calling party's payment option, then process the call as per the requirements of Tata Communications. The distributed architecture, which can be deployed in two or more locations as a cluster, provides for better redundancy, reliability and uptime. This also makes the solution very scalable as you can add more resources to the cluster as required and the cluster management software will automatically recognize and use these with minimal user management.





Thank You!