



Welcome to



**RIGHTEOUS**  
TECHNOLOGIES PVT. LTD.

*Doing the right thing ...*

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# Introduction

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- **Founded in 2011**
  - Domain, and Technologies Expertize
  - Understands the Market, Services, and Customer
  - Active TMF Member
  
- **Leadership**
  - Founder – Murali Bommineni
  - 16+ Staff Years of Experience in Working with Fortune 500 Companies
    - Motorola
    - Hewlett-Packard
    - Power wave Technologies
    - Accelerated Networking Technologies

# Expertise - Domain

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## ■ Telecommunications

- O&M Solutions (EMS/NMS, OSS/BSS)
  - Cable TV, IP-TV, OTT
  - Wired Network (xDSL, FTTx, and DOCSIS-CMTS Based)
  - Wireless Networks (Wi-Fi, WiMAX, CDMA/GSM/LTE-4G and MDO Scenarios)
- AAA and PCRF
  - RADIUS
  - Diameter
  - Wired and Wireless Networking Technologies
- Captive Portal
- Device Management
  - CPE Management
  - Adhering to TR-069 Standards

# Expertise - Domain

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- Cloud Data-Centre Management
- Machine-to-Machine
  - Utilities
    - Water and Municipality Civic Services
  - Energy Management
    - Solar Power Plant Management
    - Building Energy Management
    - Data Centre Energy Management
- IoT
  - Connecting Objects over Internet
  - Work-Flow Management

# Product Portfolio

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- **Communications O&M Solutions**
  - EMS/NMS
    - Supports FCAPS Functionality
  - OSS
- **Device (CPE) Management**
  - Adheres to TR-069 Protocol
- **AAA**
  - Supports Wired and Wireless Networking Technologies
  - Adheres to 3GPP/2 Standards
- **Data Transformation**
  - Big-Data Platform based – SnapData
- **Business Intelligence and Analytics Reporting**
  - Targeted at ISP/Pay-TV Domain

# Services Offered

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- Consulting
  - Domain expertize
  - Establishing the O&M Solutions
    - Managing the Network and Operations
  
- Product / Project (Build-Operate-Transfer)
  - Custom Project / Product
  - Enterprise Solutions
  - Mobile Platform Solutions
  
- Open Source Applications Customization
  - Tools and Utilities development
  
- Integration and Deployment

# Services Offered

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- **R&D New Product Initiations**
  - New Product Initiations in the emerging technologies
  - Marketing R&D/Segmentation
  
- **Data Migration**
  - Data and Systems Migration
  - Using COTS and custom solution
  
- **Business Intelligence and Analytics**
  - Analytical reports
  - Using COTS and custom solution
  
- **Infrastructure Management**
  - Using Open-Source applications, COTS and custom solution

# Expertise – Technologies & Standards

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## ■ Programming

- C/C++, Java/JEE
- Platform Independent Scripting (Python, Shell, Perl, Awk, Sed, and Tck)
- PHP

## ■ Big-Data Platform

- Hadoop/MapReduce/Hive/Pig/Zoo-Keper, Storm, kafka, and Spark

## ■ Mobile Platform

- Android

## ■ Protocol/Software Modules

- SNMP-v1/2/3, HTTP(S), TCP/IP, UDP, TL1, CMIP, RADIUS, Diameter, TR-069, Modbus/RS-485

## ■ Standards

- TMN – ITU and IEEE
- 3GPP/2
- UI - Web 2.0

# Expertise – Technologies & Standards

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- **Web 2.0 Technologies and Frameworks**
  - XML/HTML(5)/CSS
  - Sencha Ext JS, Telerik UI, JQuery, Angula-JS, DoJo, GWT, Django, JavaFX
  - CMS – Joomla, Drupal, and WordPress
  
- **Database**
  - Oracle, MySQL, HSQL, and MongoDB
  
- **Business Intelligence, Reporting, Presentation and Analytics**
  - Oracle-OBIEE/BIP
  - Tableau
  - Cognos
  
- **Data Warehouse/Mining/ETL**
  - Informatica
  - IBM – Infosphere/Datastage
  - Teradata

# Solutions Delivered

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## ■ Data Migration Application

- Data Extract-Transform-Loading Application
- Customer: Tier-1 ISP Provider in India
- Migrating the data into a new application
- A highly complex nature of the system
  - Having been in operational over decade
  - Custom rules built over this period
  - Two disparate systems, the current application and target application are two different
- Size: 1 TB
- A custom tool developed using plat-form independent technologies.

## ■ Provisioning Component

- Customer: Tier-1 ISP Provider in India
- Service and Profile provisioning in the Network Elements

# Solutions Delivered

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- **Business Intelligence Reports**
  - Customer: Tier-1 ISP Provider in India
  - Business Analytical Reports (160+) are delivered using
    - Oracle OBIEE/BIP
    - Oracle Database 11g
- **Business Intelligence Reports**
  - Customer: An outsourced project from US
  - 4 Dashboards, 10 Chart/Reports
    - Tableau
    - Integration with Salesforce, Oracle
- **Mobile CRM/POS**
  - Android
  - End to End solution, using the Android based gadget (Including HW)
  - Customer: At a prospective client in Hyderabad – UAT is in progress

# Customers

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and more...

# Our Coordinates...

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# Thank You