



# Technical Document for Connectivity Migration to the new platform of the “e-MID Market” over BT Radianz

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Version 4.0

Alberto Pilotto – Technical Solutions Consultant BT Radianz

Flavio Mazzarotto – Head of Operations – LIST SpA

# 1 Introduction

The goal of this document is provide the e-MID Market Members some useful Technical Information to prepare the network infrastructure in order to support the migration to the new e-MID market platform which will be fully operative starting from July 2009.

In order to prepare the environment for the migration and to be able to do the necessary Testing, the goal is to have the new BT Radianz connection up and running by the end of February 2009.

There are two different e-MID Members categories:

- Members which do not yet have the BT Radianz Connection.
- Members which already have the BT Radianz Connection.

# 2 Agreed Solution

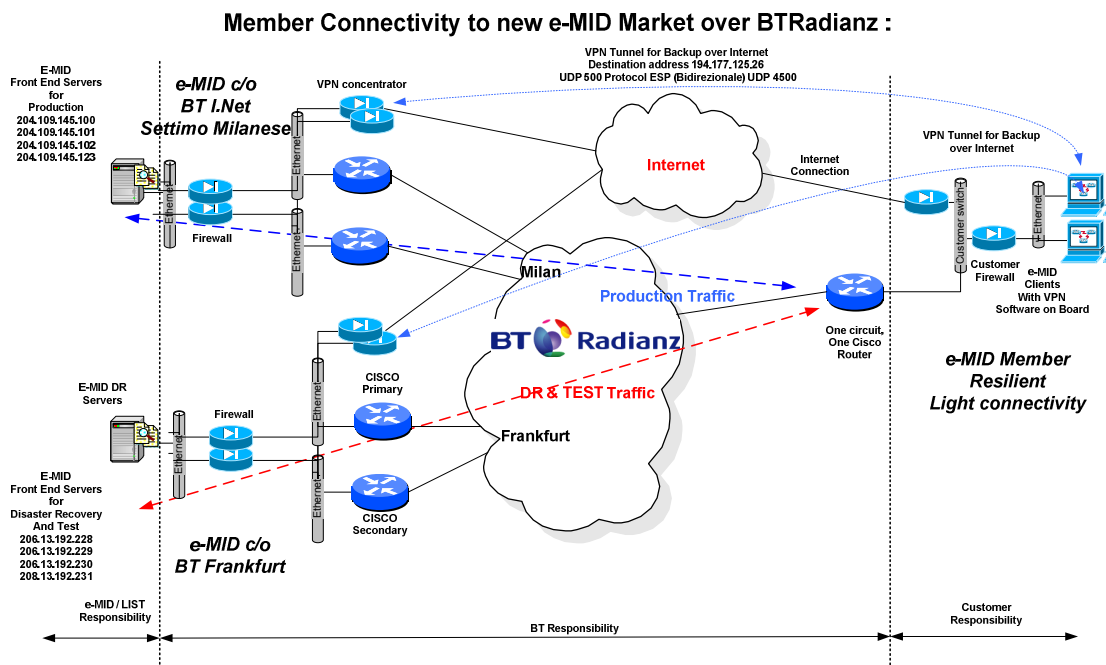
The Network Architecture agreed with e-MID and LIST (LIST developed the new software market platform ) is the following:

A single BT Radianz connection to the e-MID platform with a 128K guaranteed bandwidth.

The connection will be able to connect the members both to the e-MID Production and Test environment located in Milan, and the e-Mid Disaster Recovery environment located in Frankfurt.

The Member backup will be implemented using a VPN Internet connection that will be activated automatically by the Client software.

Please find below the Architecture Topology Diagram.



### 3 Addressing Schema

Please find below the Front –End IP Addresses of the new e-MID platform:

<b>SERVER di PRODUZIONE</b>	
Front End 1	<b>204.109.145.100</b>
Front End 2	<b>204.109.145.101</b>
Front End 3	<b>204.109.145.102</b>
Front End 4	<b>204.109.145.103</b>
tcp/port	<b>da 10001</b> <b>a 10015</b>
<b>SERVER DI TEST ESTERNO</b>	
Front End 1	<b>206.13.192.228</b>
Front End 2	<b>206.13.192.229</b>
Front End 3	<b>206.13.192.230</b>
Front End 4	<b>206.13.192.231</b>
tcp/port	<b>Da 20001</b> <b>a 20015</b>
<b>SERVER DISASTER RECOVERY</b>	
Front End 1	<b>206.13.192.228</b>
Front End 2	<b>206.13.192.229</b>
Front End 3	<b>206.13.192.230</b>
Front End 4	<b>206.13.192.231</b>
tcp/port	<b>da 10001</b> <b>a 10015</b>

Please note that the IP addresses of the External Test has now been modified from the previous version . Please note that we clearly specified the addresses of the Front End to target and the tcp/ports.

A new Client software will be downloaded (from a WEB site that will be specified in the future) to target the new Front End servers.

A Cisco VPN Client is required to be downloaded by the Members to implement the Internet VPN Backup in case of fault of the BT Radianz connection.

## 4 VPN Back up

In case of failure of the BT Radianz connection, the client application will automatically set-up the Internet VPN back-up connection using the **VPN concentrator address 194.177.125.26.(Production)** and **62.134.207.4 for Test and DR.**

VPN session will use; the following UDP ports:

**UDP 500**

**Protocol ESP Bidirectional**

**UDP4500**

## 5 Activities required by Members not yet connected to BT Radianz

Members not yet connected to the BT Radianz network will be contacted by the BT Radianz Project Manager in order to agree where to install the circuit.

As soon as the circuit has been installed the Cisco 2611XM router or Cisco 1841 router installation will follow and will be connected to the Member LAN .

The Member should provide as soon as possible the following information:

<b>INFORMATION required from the Member not yet connected to the BT Radianz Network</b>	
Site address where to install the circuit	
Floor	
Room	
Rack number if available	
Technical contact for line installation	
Technical contact phone number	
Local contact e-mail	
<b>IP ADDRESS to assign to the Router</b>	
<b>Default Gateway or Firewall IP address</b>	

The member will have the following responsibilities:

<b>ACTIVITIES required by the Member not yet connected to the BT RADIANTZ Network</b>	
Connect the Fast Ethernet 0/0 of the BTRadianz Router to the LAN switch port	
Apply Firewall authorization in order to connect to the e-MID Production Front End and Test Server, and also the Disaster Recovery Servers	
Configure routing to forward target traffic to e-MID Front End and Test Server and Disaster Recovery Servers using the BTRadianz router	
Provide Internet Access for the VPN Backup	
Configure Firewall authorization to connect to the VPN concentrator via the Internet	
Configure the routing to forward traffic to VPN concentrator via the Internet	

## 6 Activities required by Members already connected to BT Radianz

Members already connected to the BT Radianz network will be contacted by the BT Radianz Project Manager to agree when to proceed to download new configuration onto the primary router.

The Member should provide as soon as possible the following information:

<b>INFORMATION required by the Member already connected to the BT Radianz Network</b>	
Technical contact name	
Technical contact phone number	
Local contact e-mail	
<b>Data and Time when to apply configuration download on the router</b>	
<b>Provide new routing configuration to apply to the BT Radianz router if necessary</b>	
<b>Client IP address to connect to the E-MID Market.</b>	

The member will have the following responsibilities:

<b>ACTIVITIES required by the Member already connected to the BT RADIANTZ Network</b>	
Apply Firewall authorization in order to connect to the e-MID Production Front End and Test Server, and also the Disaster Recovery Servers	
Configure routing to forward target traffic to e-MID Front End and Test Server and Disaster Recovery Servers using the BT Radianz router	
Provide Internet Access for the VPN Backup	
Configure Firewall authorization to connect to the VPN concentrator via the Internet	
Configure the routing to forward traffic to VPN concentrator via the Internet	

## 7 ISV

The Members which at the moment are using Independent Server Vendor software to connect to e-MID Market, should contact their Vendor to understand what to do in order to migrate the software.

LIST and e-MID will provide the relevant API in order to allow ISV to proceed with Software development and update.

## 8 BT Radianz , LIST, e-MID Contacts

For all of the activities related to the new E-MID market service over BT Radianz, the Member can contact the following people:

<b>Technical Details and connectivity Tests</b>			
BT Radianz Help Desk		+44 2075421001	<a href="mailto:gsc@btradianz.com">gsc@btradianz.com</a>
Local Operations Milano		+39.02.66129626	<a href="mailto:milan.operations@btradianz.com">milan.operations@btradianz.com</a>
Local Operations Roma		+39.06.85224323	<a href="mailto:rome.operations@btradianz.com">rome.operations@btradianz.com</a>
<b>Planning installation / download :</b>			
Trevor Jugg	Project Manager	+44 207 650 9025	<a href="mailto:trevor.jugg@bt.com">trevor.jugg@bt.com</a>
Daniela Agrezzi	Project Manager	+39 02.66129623	<a href="mailto:daniela.agrezzi@bt.com">daniela.agrezzi@bt.com</a>
<b>Network Architecture :</b>			
Alberto Pilotto	Technical Solution	+39 02.58215605	<a href="mailto:alberto.pilotto@bt.com">alberto.pilotto@bt.com</a>

<b>LIST contact for application per approfondimenti applicativi</b>			
e-MID Migration support		+39 02.802891	<a href="mailto:emid.migration@list-group.com">emid.migration@list-group.com</a>

<b>e-MID contact</b>			
Markets Management		+39 0230345500	<a href="mailto:customerpt@e-mid.it">customerpt@e-mid.it</a>