



Cable Infrastructure Management



The communications infrastructure is the most extensive and valuable asset most organizations have but most find it difficult to document.

Business Challenge

The explosion of IP technologies coupled with an ever expanding array of network enabled services creates considerable issues with the documentation and tracking of the capacity, availability, and interdependencies of all network devices and the cable plant.

Solution

Organizations today have a complex network of information supported by a physical infrastructure. The integrity of this data is critical to those maintaining this infrastructure.

The PCR-360 Cable functionality provides organizations with a centralized framework to maintain the integrity of their network. PCR-360 provides the ability to:

- Provide a unified real time perspective on the status of all communication records.
- Enable quick identification of installed fiber and copper locations.
- Identify capacity and availability of network resources.
- Govern the integrity of infrastructure documentation.

Cable Infrastructure Capabilities

PCR-360 provides a text and visual representation of the organization's data and voice network.

The Cable functionality provides the organization with a virtual roadmap of the many wires, cables, switches, and servers that support the business. By defining components relevant to specific segments of the cable infrastructure users can build comprehensive cable paths for tracking and management concerns.

- Provides end to end tracking of the communications infrastructure including outside and inside cable plant and all cross connects and service outlets.
- Automatically update the infrastructure documentation through the MACD process.
- Reduce repair time with insight into the capacity and availability of your infrastructure.
- Efficiently manage the reconfiguration and replacement of cables and network devices.
- Ensure your infrastructure is right sized so that you do not have latency from over utilization or waste money on underutilization.
- Attach network diagrams to provide enhanced visual intelligence.

TO LEARN MORE CONTACT:

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Visibility

PCR-360 was designed to provide a wealth of information at your fingertips. PCR-360's user friendly design provides comprehensive views and dashboards allowing users to quickly find the information needed and organizations can make better business decisions.

The screenshot displays the PCR-360 web application interface. The main window shows the 'Cable : Paths' section with a table of cable paths. The table has columns: Service Name, Service ID, Service Status, Location, Legs, Owner, Reference, and Status. The 'Manage Path' dialog box is open, showing fields for Service, Location, Path Status, Reference, Header, and Footer. Below the dialog, a 'Path Legs' table lists equipment details. To the right, a graphical diagram shows the cable path from a switch to a router and then to a phone, with labels for equipment and connections.

Service Name	Service ID	Service Status	Location	Legs	Owner	Reference	Status
Cisco	(205) 348-5608	Inactive	Brown > 102	(Switch Avaya Switch (China Lake > 33 > 1 > 1) >> B208 > ... (Switch Avaya Switch (China Lake > 33 > 1 > 1) >> 001-80... (Switch B201-2 (Brown > 201) >> Jack B102-J-1 (Brown > ...	ADM. Administration		Left In
Cisco	(205) 555-1111	Active	Allegheny Observatory > 1	(Jack J2 (Russell > 301) / 4 >> B208 - Test Fiber / 8 >> Swt...	Alber. Rob		Left In
Aastra	(222) 333-4444	Active	Brown > 105 Smith > 142	(IDP 5146-A (Smith > 146) >> Jack 5142-J-1 (Smith > 142))	ENG. Engineering		
Cisco	(505) 212-4000		Personal Mail's 1st Floor > 101	(HP-1964-...000001 / HP/088 v3)			
Aastra	(505) 212-4001						
Cisco	(555) 135-4684						
Cisco	(616) 257-1000						
Avaya	(616) 259-0001						
Phones	(616) 259-0034						
Phones	(616) 259-0035						
Phones	(616) 259-0036						
Analog	(616) 259-0098						
Avaya	(616) 259-0099						
Analog	(616) 259-0100						
Aastra	(616) 259-0138						

Manage Path

* The Service or the Location (or both) must be entered to Save a Path.

Service: (616) 257-1000 [Cisco] Location: Raleigh > Tierney House > 105 Path Status: Left In

Reference: Lobby Phone Header: Characters left: 100 Footer: Characters left: 100

Path Legs

#	From Equipment	From Eqp Descr...	Fro...	From ...	Cable Name	Pai...	Pair/Stran...	Pair/...	To Equipment
100	Switch B209-9 (Brown > ...	Cisco Switch	C1/01	Assigned	0805	13		Assigned	B201-10 (Brown > 201)
200	B201-10 (Brown > 201)	Cisco Switch	78	Assigned	0805	4	Desc	Assigned	B201-10 (Brown > 201)
300	B201-10 (Brown > 201)	Cisco Switch							
400	Router Test Router-001 ...	Cisco 6 port router							

Service ID: Cisco [(616) 257-1000] | Reference Lobby Phone
Location: Raleigh > Tierney House > 105
Parents: 856487

The diagram shows a network topology with the following components and connections:

- Switch B209-9 (235, 27, 235, 14) Cisco Switch (Brown > 201) connected to C1/01 0805 / 13 77.
- Switch B201-10 (Cisco Switch Brown > 201) connected to 78 0805 / 4 73.
- Router Test Router-001 (Cisco 6 port router 3475 > 1009) connected to 73 6.
- Jack J2 (4 Port Cat6 Keystone Jack Patchpanel 110 Rated > 301) connected to 6.
- Raleigh > Tierney House > 105 connected to 73 6.

Other Benefits

Add Data as Available: Complete information is not required to begin tracking the infrastructure. Organizations can enter or import the information that is available now and update at any time.

View Cable Path: PCR provides a graphical view of cable paths showing each network device and the cable paths that connect the devices. Click on any item in the path to view additional information.

Auto Populate Pair: When adding a new phone service PCR-360 can be configured to auto connect the next logical pair assignment.

Change Cable Path: Any leg of a cable path can be renamed without having to tear the path down and rebuild it.