Highly customizable, fully scalable, and very easy to use, the XpedITe Platform provides a single point of management for enterprises and large IT infrastructures. With fast deployment regardless of the size or complexity of the network, the XpedITe Platform gives IT/DC managers real-time management capabilities and full end-to-end visibility and control of their entire environment.

To accommodate the challenges of the IoT era, in which tremendous volumes of data come from a huge variety of sources, the XpedITe Platform is essential for provisioning and managing a large number of assets and connections.

In order to optimize Data Center & Network operations and to bring precision to capacity planning, businesses should implement an interface that can integrate a large number of systems and that can efficiently plan, manage, provision and maintain all aspects of the IT network. The XpedITe Platform provides just such an interface, thereby simplifying business operations.

The XpedITe Platform, with its customizable field-tested modules, supports a phased, individualized approach to automating and optimizing infrastructure management.

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<th>XpedITe Platform - a unified way to manage converged systems and services in real-time, easily and automatically</th>
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**The Challenges of DC/IT Managers in the Modern IoT Era**

- Exponential data growth - huge growth in the volume of data that is transmitted, processed, stored and managed
- Immense number of assets and connections that need to be controlled
- Manual management and provisioning - slow response-time
- Manual documentation - not up-to-date
- Slow troubleshooting
- Chaotic management with limited control

XpedITe is the only system in the market which gives a real solution that truly connects infrastructure and network in one platform, while fully automating and optimizing its daily operation.

Deployed already in several verticals throughout the world, the XpedITe Platform helps businesses seamlessly unite their infrastructure, network, assets and resources under a single easy-to-monitor and easy-to-control management system.

XpedITe is the central system in the organization’s infrastructure. It enables you to automate, monitor, analyze and control daily operations - in real-time and on-line.
**XpediTe Platform facilitates the adoption of the DNIO (Data Center and Network Infrastructure Optimization) system into your organization.**

With the XpediTe Platform, it is very easy to deploy a DNIO system in a business of any size or complexity. It makes deployment of the DNIO systems fast and painless, and eliminates the need for dramatic changes in the infrastructure and network.

By bringing all network resources together under one interface, you streamline daily infrastructure and business activities, facilitate scale-up, gain predictive physical failures detection, enforce best practices, achieve predictive analytics, increase uptime and enhance planning and provisioning.

**XpediTe’s Key Benefits:**

- **Real-time management for better control**
  - Real-time visibility into every component of the infrastructure
  - Easy accessibility to data already captured at the device level, giving rise to new insights and capabilities
  - One platform unites and controls the entire business
  - Reduces system downtime
  - Guarantees optimal performance

- **Increased efficiency and automation**
  - Preserve and actualize what is working well
  - Evolve in a controlled, gradual process to fully automated and integrated processes (Data Center, IT & facility)
  - Optimize your business through intelligent automation of all processes - increased up time, reduced costs and errors

- **Simplicity and agility**
  - Easy management and operation
  - Fast and easy deployment
  - Short learning curve
  - Clean, easy-to-read dashboards and reports

- **Control and ease-of-use**
  - Usability through straight forward, self-explanatory UI
  - One point-of-control
  - Built-in tools for ease-of-use

**XpediTe Platform delivers modular options that provide significant ROI to customers through full automation and integration.**

XpediTe provides customized dashboard reports and analytics to optimize data center infrastructure operation and precise capacity planning. It empowers IT, DC and Network managers to obtain complete control of their physical networks and to execute system services more efficiently with a nearly zero fault-rate.

Thanks to XpediTe’s central documentation, infrastructure and operational modules, decision makers have all the information they need to make better-informed critical capacity and compliance decisions. Visibility into power usage and temperature at the device level gives the full picture for troubleshooting hotspots, thus saving time and money.

XpediTe delivers a rapid ROI based on its ability to increase deployment accuracy, optimize daily infrastructure operations, improve asset and service utilization, eliminate human error and reduce maintenance, resource and energy costs.

**XpediTe Platform integrates and correlates data from all sources in real-time**
A Modular Approach to Deployment

RiT’s XpedITe Platform comes packaged with 6 modules. It is up to you which module to deploy first and how to continue.

The XpedITe Platform is flexible and scalable. You can deploy at your own pace with no need for major changes or long preparations. The XpedITe Platform lets you take a step-by-step approach to automation – moving forward only when you are comfortable and confident.

Asset Management

For infrastructure automation and management processes to be successful, you must be able to trust your asset database. XpedITe helps you build a trusted asset database by collecting, integrating and correlating data from all sources in real time. This gives you the reliable records and documentation you need to make the right decisions at every step of the asset lifecycle.

XpedITe’s Asset Management module creates and maintains an accurate real-time database, documenting all infrastructure assets, devices connections (E2E) and relationships.

- Auto-Discovery to automatically identify and update assets
- Full end-to-end, real-time view of all IT and data center infrastructure assets, servers, and networking components
- Real-time management for better control
- High-resolution view of assets and their physical locations gives you a full picture for troubleshooting hotspots
- Constant monitoring of the state of all assets allows you to fix connectivity failures before they affect users
- Extensive catalog of equipment models

Power & Thermal Telemetries - Utilizing Intel Technology

The Power & Thermal Telemetries module monitors in real-time the actual data of power, health and inlet temperature and provides high value power management features that address power and thermal issues challenging IT organizations. Each device becomes an IoT sensor that collects data and provides a server-level telemetry that is critical for business operation and optimization.

- Predictive and analysis tools
- Granular level of thermal mapping
- Easy to install
- Collect real-time power data

XpedITe’s Power & Thermal Telemetries Module empowers IT and data center managers to have greater predictive and analysis tools for better decision-making capabilities.

The XpedITe Platform brings real-time visibility to every component of your infrastructure and supports a step-by-step, controlled evolution to automation.
Automated Provisioning & Work Orders

XpediTe enables you to automate processes according to your own rules. Using your instructions, the module weighs all environmental, power, space and other considerations to automate commissioning, planning and system start-up. Then, once provisioning decisions are finalized, it produces all required work orders.

- Sophisticated provisioning algorithms
- Out-of-the-box policies and functionality, together with an open architecture and comprehensive SDKs for customization and integration
- Full consideration real-time data regarding:
  - Service availability, infrastructure readiness, BMS, VLANs, switch port availability, etc.
  - Power, environment, space utilization, etc.

Automated Discovery & Data Import

XpediTe automates the process of Discovery and Tracking of all network components – from BMS sensors to connectivity equipment, system services and applications – including physical location, configuration and connectivity.

- Efficiency and Automation
- Actualization of data
- Evolve in a controlled, gradual process to fully automated and integrated processes (Data Center, IT & Facilities)

Reports & Dashboard

XpediTe's Reports and Dashboard Module enables at-a-glance access to the real-time monitoring information and KPIs that are most important to your operation. It provides an analysis of the capacity and utilization of every IT infrastructure asset and service. XpediTe’s dashboards and reports are fully customizable. You can display up-to-the-minute information about capacity, connectivity, power trends, work order status and more, in formats that work for you.

- Clean, easy-to-read dashboards and reports
- Centralized view of KPIs and work order execution
- Identifies and reports security breaches and other events
- Fully customizable reports

Connectivity Documentation

XpediTe’s Connectivity module builds an up-to-date picture of the entire network infrastructure and keeps the picture precise, automatically. The Connectivity Documentation module delivers an up-to-date status of the entire network infrastructure (physical and logical) in real-time, with full drill-down capability to the port level.

- Real-time connectivity of all elements
- Accurate documentation
- Up-to-date status of the physical and logical elements in the network infrastructure

XpediTe Platform offers automation with full-featured provisioning and work order management to speed commissioning and implementation, increase response-time and reduce error.

XpediTe’s Connectivity Documentation Module gives you a centralized, visual point-of-view of the entire network infrastructure.

XpediTe makes you more efficient and optimizes resource utilization. It saves you time and money via reduced faults and faster response time to user requests.

XpediTe helps you stay on top of KPIs and other critical data. It gives you full drill-down capability into supporting details with up-to-the-minute accuracy.
Global Financial Institution’s Experience with XpedITe Platform

“RiT’s powerful end-to-end XpedITe Platform has proven its worth time and time again,” said the IT Manager of a major global investment bank. “Since our first deployment 20 years ago up until today, it has freed the team from having to carry out huge quantities of tedious, time-consuming work, allowing us to focus on what we want to do rather than how to do it – all automatically and in real-time. As a result, we are accomplishing more in less time, and more accurately than before.”

RiT Tech’s cooperation with this world-wide finance bank and global investment institution began in 1999, when it became an early adopter of the Intelligent Infrastructure Management (IIM) concept. Over the years, this global institution has extended its deployment of RiT’s solutions, and has recently added more functionality with the XpedITe Platform.

The XpedITe Platform gave the IT management team better control over their network, including real-time information about all available connections. In addition, the XpedITe Platform has given them complete integration between inventory, catalog, billing, labels, CMDB, requests, planning rules and other systems.

XpedITe Platform: Meeting Customer Challenges and Demands

After the successful deployment in 1999, in late 2008 the bank’s IT management approached RiT with a new challenge: to automate the provisioning process in their newly-built data center.

Then in 2017, the customer evolved to the next stage, approaching RiT with a request to enable end-to-end management and control of all of the bank’s facilities worldwide.

The effort required keeping pace with the company’s dynamic and sophisticated IT environment - a vast infrastructure that includes 25 million managed ports, 20 massive data centers and 200 buildings on 3 continents.

Customer’s Requirements:
- Automated provisioning processes
- Accurate data base
- Connectivity to multiple data sources
- End-to-end management and control
- Resource utilization

XpedITe Solutions:
- Streamlining work methods
- Automating provisioning processes
- Saving resources
- Fast deployment
- Increasing uptime
- Full documentation for planning

“It wasn’t until after we ‘powered up’ and performed the first provisioning projects with the new system that we fully realized the power and potential of its provisioning engine,” continued the IT Manager. “Now, one year later, we are extremely pleased and cannot imagine going back to manual provisioning.”
RiT and Intel Cooperation – Enhanced Data Management and Control

Power & Thermal Telemetries Module

The new Power & Thermal Telemetries Module inside RiT’s XpediTe Platform empowers IT and data center managers to take greater control of their management and decision-making capabilities.

XpediTe is the only Data Center and Networking Infrastructure Optimization (DNIO) platform in the market that efficiently manages, automates and truly bridges data centers, IT and networking infrastructure together in one platform. Utilizing Intel technology, RiT’s XpediTe Platform creates one-point-of-control and accurate device health, power and thermal consumption data.

The new module monitors in real-time the actual data of power, health and inlet temperature and provides high value power management features that address power and thermal issues challenging IT organizations. Each device becomes an IoT sensor that collects data and provides RiT’s customers the server-level telemetry and control that is needed in today’s data systems.

Customers get granular level mapping of power, temperature, airflow, humidity and health, and usage of their devices and environment. With the outstanding analytics capabilities the new module saves money on cooling, increase uptime, and enables better provisioning and prediction of failures.

Analysis Tools

► Identify hot and cold areas
► Detect underutilized systems
  • Visualize power consumption
  • Recognize an out-of-range temperature reading
► Provisioning and prediction of failures

Granular level of thermal mapping

► Each device becomes an IoT sensor
► Identify hotspots, increase asset lifetime
► Save money on cooling
► Increase data center uptime
► Enable predictive thermal problems detection

Easy to Install

► Install in minutes with minimal system requirements
► Scan networks and add devices automatically
► Easily add racks, rows and rooms of systems

Collect Real-Time Power Data

► Offers cross platform support
► Requires no OS rights or privileges
► Provides historical information

Scalability

► Manage up to 1000s nodes using agentless technology

"We are pleased to engage with RiT Tech, and reach new opportunities for data management in the IT and Networking environments. Combining our Intel® DCM technology with RiT’s XpediTe Platform means that together we can extend the reach for advanced solutions for our customers."

Mr. Jeff Klaus, General Manager Data Center Management Solution, Intel.
The Next Generation Solution is Here!
Both for data centers and network environments.

► XpedITe is a Must-Have for a successful adoption of a central solution in your business
► XpedITe connects not only the infrastructure but also users, assets and the network – all together
► XpedITe puts you in-control of your entire business
► XpedITe bridges technologies and enables profitability
► A step-by-step approach for deployment – Your Way!

About RiT Tech

RiT Tech is a leading provider of converged IT infrastructure management and connectivity solutions.

RiT Tech offers a platform that provides a unified way to manage converged systems and services to improve network utilization, streamline infrastructure operations, reduce network operation costs, optimize future investments and enhance data security.

RiT Tech

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