

The DCOI Executive Dashboard



Data Sheet

Goals of the DCOI

While the previous FDCCI mandate required agencies to conduct data center inventories and report on those facilities that could be closed or consolidated, it did not prevent the building of new data centers. The DCOI takes the FDCCI one step further by identifying specific goals that must be achieved, including the reduction of government data center spending by \$1.36 billion. Government agencies are required to:

- **Consolidate.** Agencies will no longer be able to build a data center specifically to support their needs. If a new data center is needed, a case showing that there is no better alternative, including cloud services, colocation facilities, or shared space, must be proven. Additionally, at least 25% of tiered and at least 60% of non-tiered data centers shall be closed.
- **Optimize.** Five metrics (listed in the DCOI Metrics and Deployment Components table) have been identified to measure compliance with optimization guidelines.
- **Utilize Data Center Infrastructure Management (DCIM) Software Tools.** Agencies have to replace manual collection and reporting of systems, software, and hardware inventory housed within data centers with automated Data Center Infrastructure Management (DCIM) software in all of their data centers.

The Federal Government Data Center Optimization Initiative (DCOI) Mandate

The United States government, one of the world's biggest data center consumers, is struggling to address inefficiencies in its data center infrastructure. The Federal Data Center Consolidation Initiative (FDCCI) and the Data Center Optimization Initiative (DCOI) mandates have been designed to address these issues.

What is the DCOI Mandate?

As of March 2016 and as stated in the August 2016 Memorandum for Heads of Executive Departments and Agencies (M-16-19), the Federal Data Center Consolidation Initiative (FDCCI) has been superseded by the Data Center Optimization Initiative (DCOI). The DCOI mandates that government agencies must develop and report on strategies that consolidate inefficient data center infrastructure, optimize existing facilities, ensure cost savings, and transition to more efficient infrastructures, such as cloud services and interagency shared services. The Federal IT Acquisition Reform Act (FITARA) Enhancement Act of 2017 extended the DCOI deadline from 2018 to 2020 to provide agencies with more time to ensure compliance.

What Is the Role of DCIM Software in the DCOI Mandate?

DCIM allows data center managers to automatically monitor data center assets and measure energy usage, power usage, virtualization efforts, server utilization, and facility utilization. The resulting insights can help data centers reduce costs while also increasing energy and power efficiency and utilization, providing data center managers with a clear strategic advantage and leading to more informed, data-driven decisions to comply with the regulations of DCOI.

Using DCIM in combination with the installation of meters, intelligent rack PDUs, and monitoring tools provides an optimal solution to achieve the goals set forth by DCOI.

Table: DCOI Metrics and Deployment Components

Metric	Components to Deploy
Facility Utilization	DCIM Software
Server Utilization and Automated Monitoring	Virtual Machine Monitoring Tools or Other Network Monitoring Tools
Energy Metering	Installation of Branch Circuit Meters + Intelligent Rack PDUs + DCIM Software
Virtualization	Integration and Tracking of VMs, Hosts, and Clusters via DCIM Software
PUE	Installation of Branch Circuit Meters + Building Meters + DCIM Software



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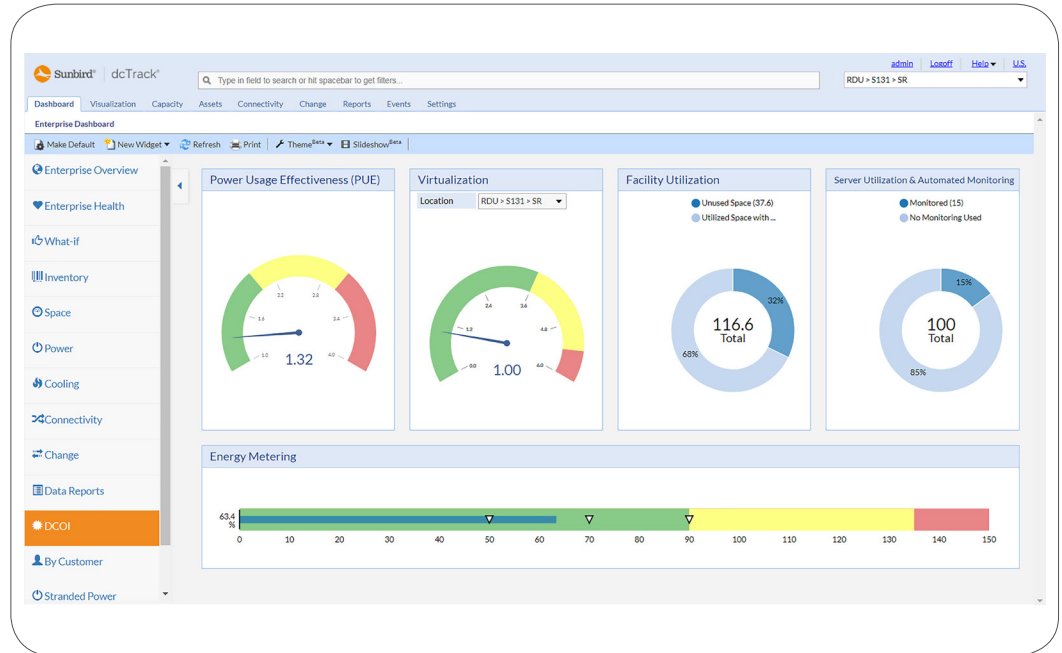


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Ensure Compliance with Sunbird's DCOI Executive DCIM Dashboard

Sunbird's DCOI Executive Dashboard provides the optimal experience for ensuring your data center's compliance with the DCOI mandate. Gain easy, one-click access to the Key Performance Indicators (KPIs) you need, and then act on your insights to meet DCOI requirements within the same interface.

- Preloaded with five widgets that track only the relevant DCOI KPIs for fast, focused data analysis.
- Works without additional user configuration so you can immediately review and analyze your data.
- Leverages real-time, accurate data that is collected and stored from the iPDUs and meters in your data center by our DCIM software.
- View the latest readings for a current snapshot or trend your data over time to track your progress on your DCOI objectives.



Call 732.993.4476 or visit SunbirdDCIM.com

Sunbird Software is changing the way data centers are being managed. With a focus on real user scenarios for real customer problems, we help data center operators manage tasks and processes faster and more efficiently than ever before, while saving costs and improving availability. We strive to eliminate the complexity they have been forced to accept from point tools and home-grown applications, removing the dependency on emails and spreadsheets to transform the delivery of data center services. Sunbird delivers on this commitment with unexpected simplicity through products that are easy to find, buy, deploy, use, and maintain. Our solutions are rooted in our deep connections with our customers who share best practices and participate in our user groups and product development process.

Based in Somerset, NJ, Sunbird serves over 1,000 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.

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