

Washington Systems Center - Storage

IBM Storage Monitoring & Management Options for the IBM FlashSystem 9200

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Storage Monitoring vs Storage Management

- Storage Monitoring
 - Views of storage metadata collected from data collectors
 - IBM Storage Insights
 - IBM Storage Insights Pro
 - IBM Storage Insights for Spectrum Control
 - IBM Storage Insights Device Support Portal (the IBM internal support view)
- Storage Monitoring and Management
 - Views of storage metadata collected from data collectors and can take administrative action on storage
 - IBM Spectrum Control Standard Edition
 - IBM Spectrum Control Advanced Edition

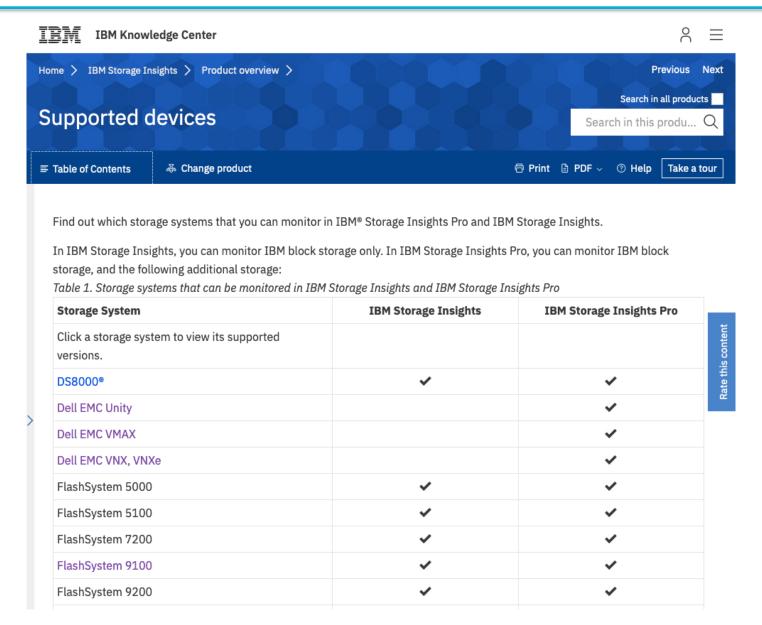
Software as a Service vs On Premise

- Software as a Service (SaaS)
 - IBM Storage Insights
 - IBM Storage Insights Pro
 - IBM Storage Insights for Spectrum Control



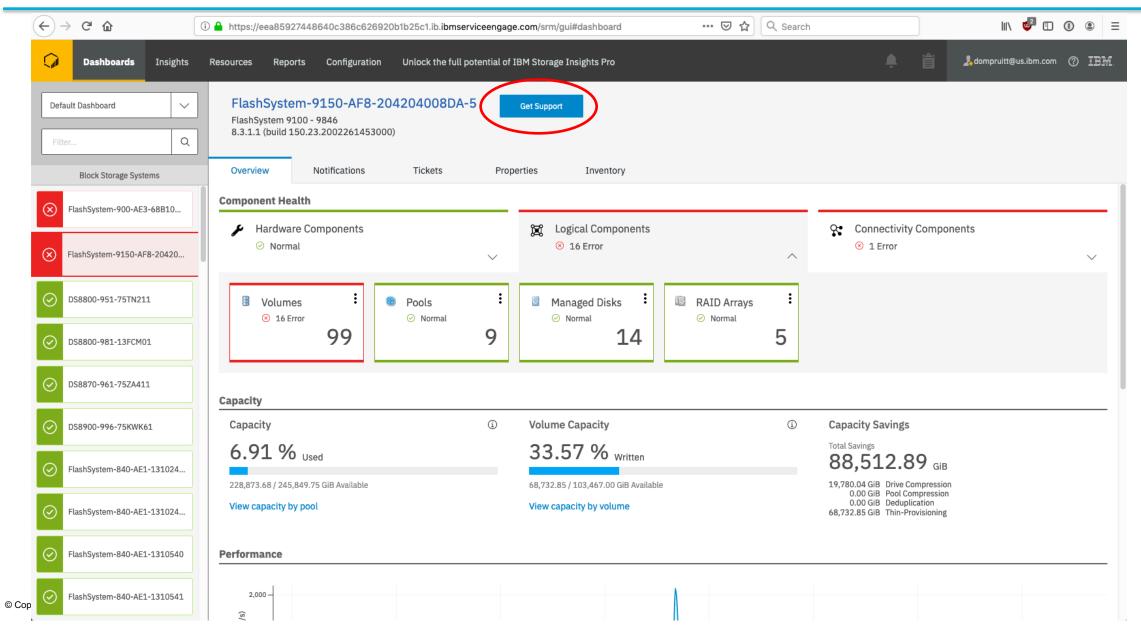
- On Premise
 - IBM Spectrum Control Standard Edition
 - IBM Spectrum Control Advanced Edition

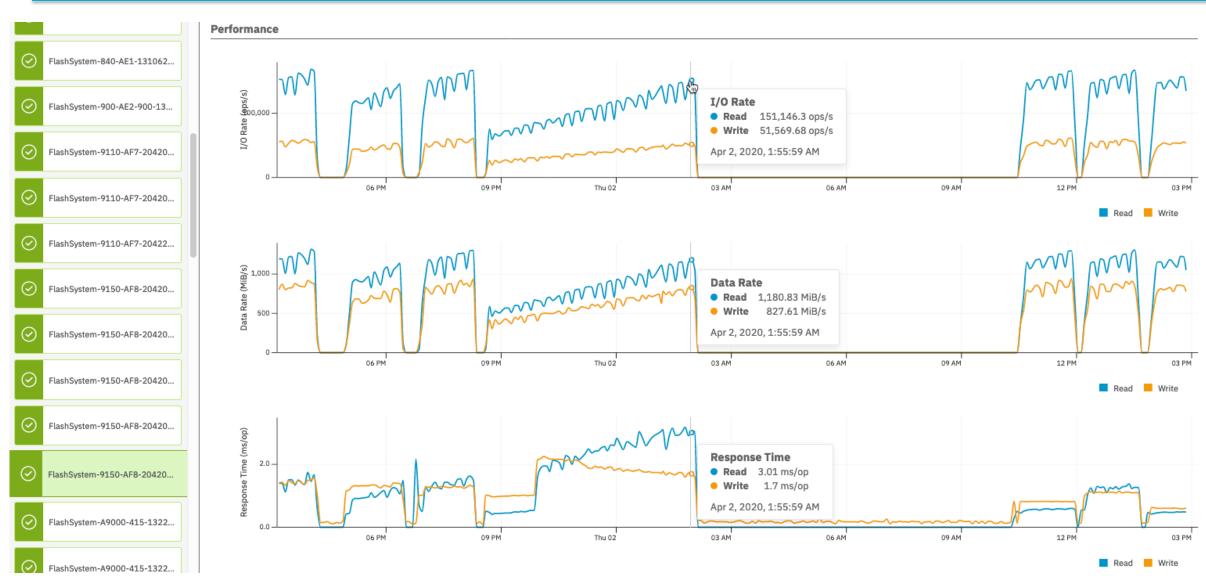


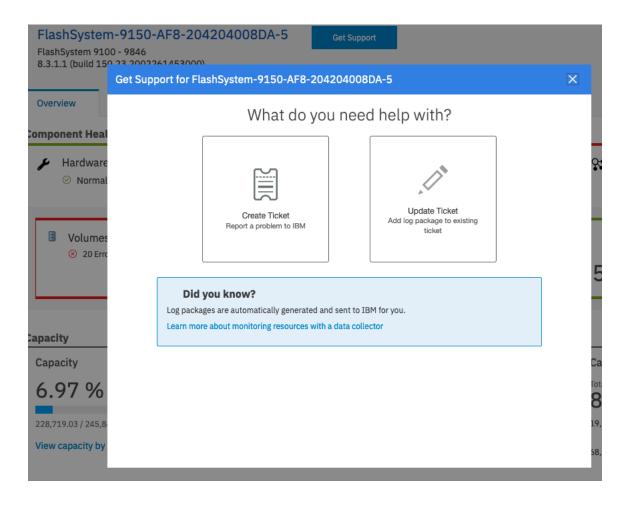


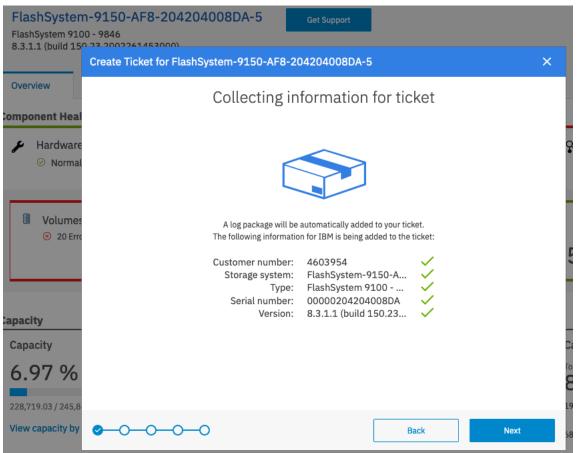
IBM Storage Insights

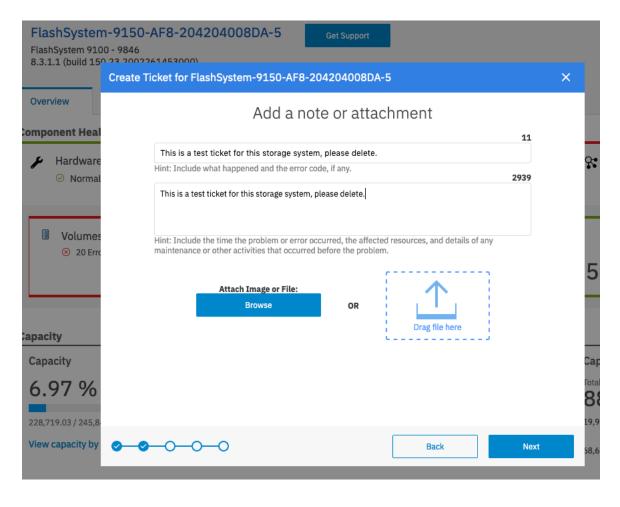
- IBM Storage Insights (free / entitled)
 - Free of charge to customers who own IBM block storage systems
 - It is an IBM Cloud storage service that monitors IBM block storage
 - It provides single-pane views of IBM block storage systems
 - Operations dashboard
 - Notifications dashboard
 - Diagnostic event information
 - Key capacity and performance information (limited view of all metadata collected)
 - Streamlined support experience
 - Quickly assess the health of your storage environment
 - Get help with resolving issues
 - Advisor page provides recommendations on the remedial steps
 - Manage risks
 - Resolve storage issues
 - Storage Data Collector(s) need to be deployed on premise

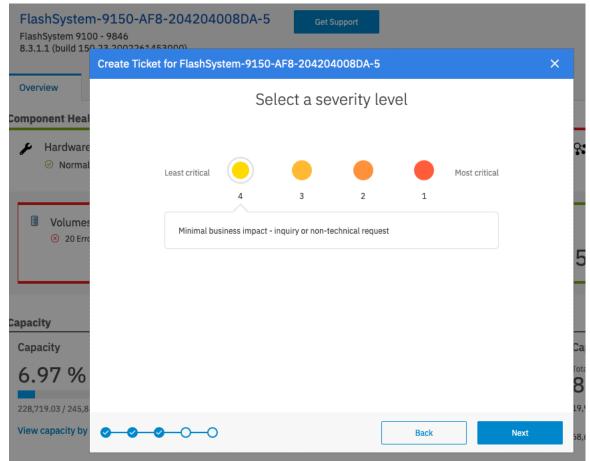


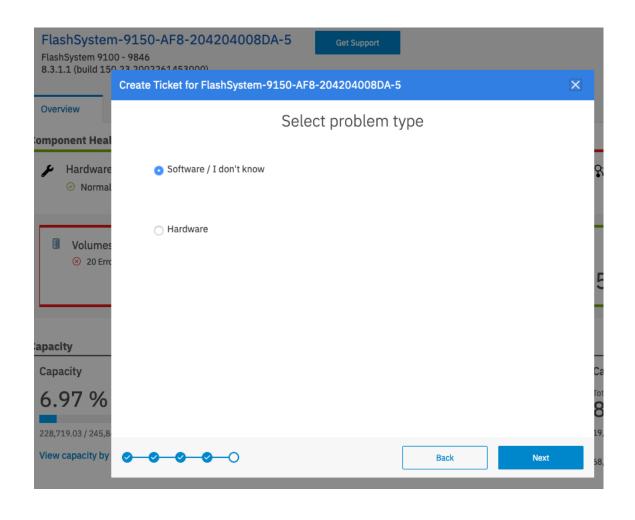


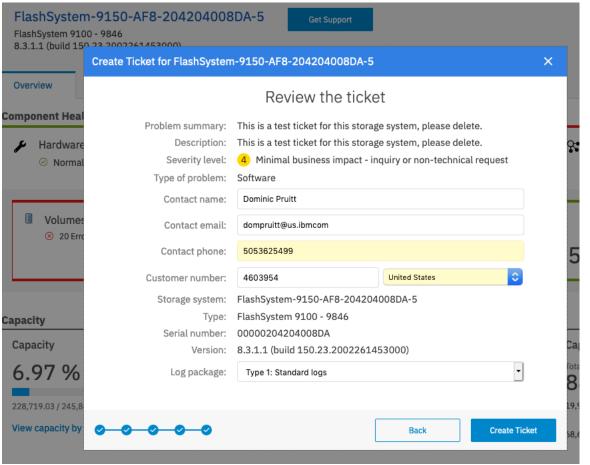


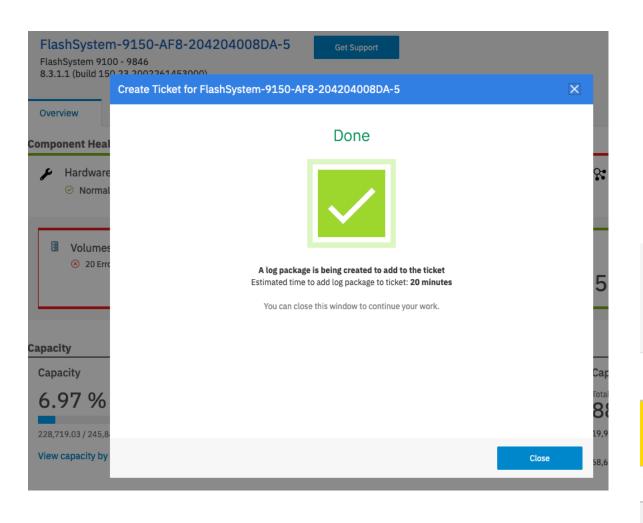


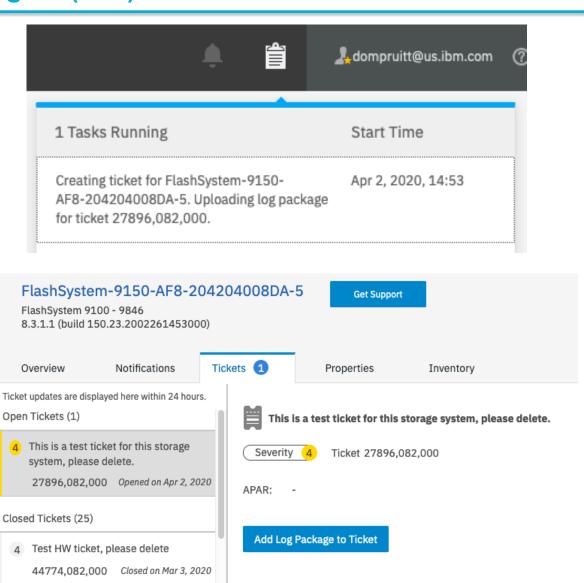


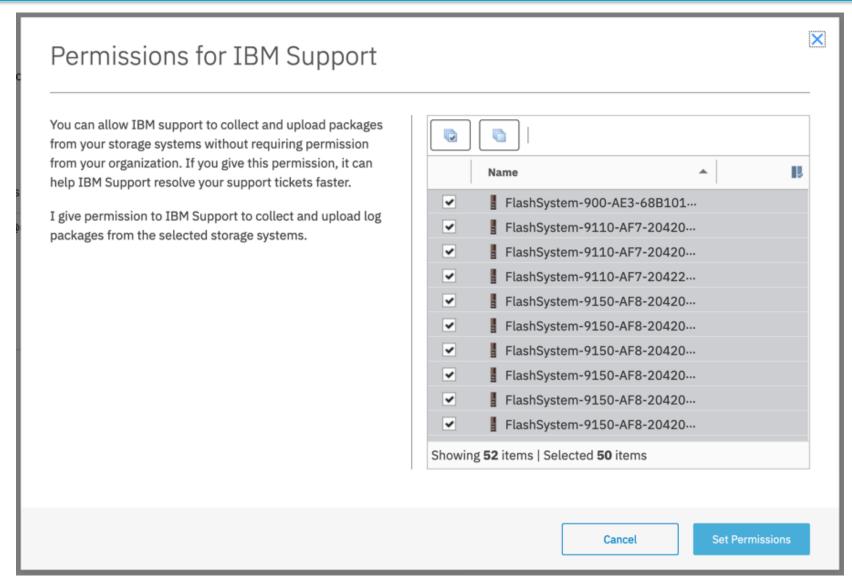


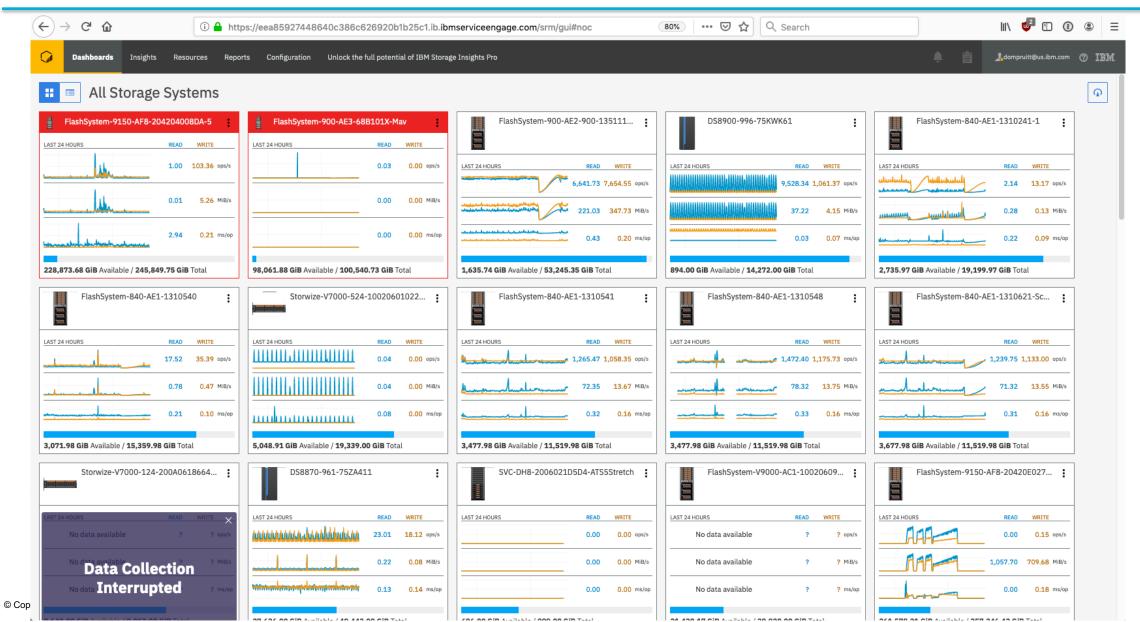




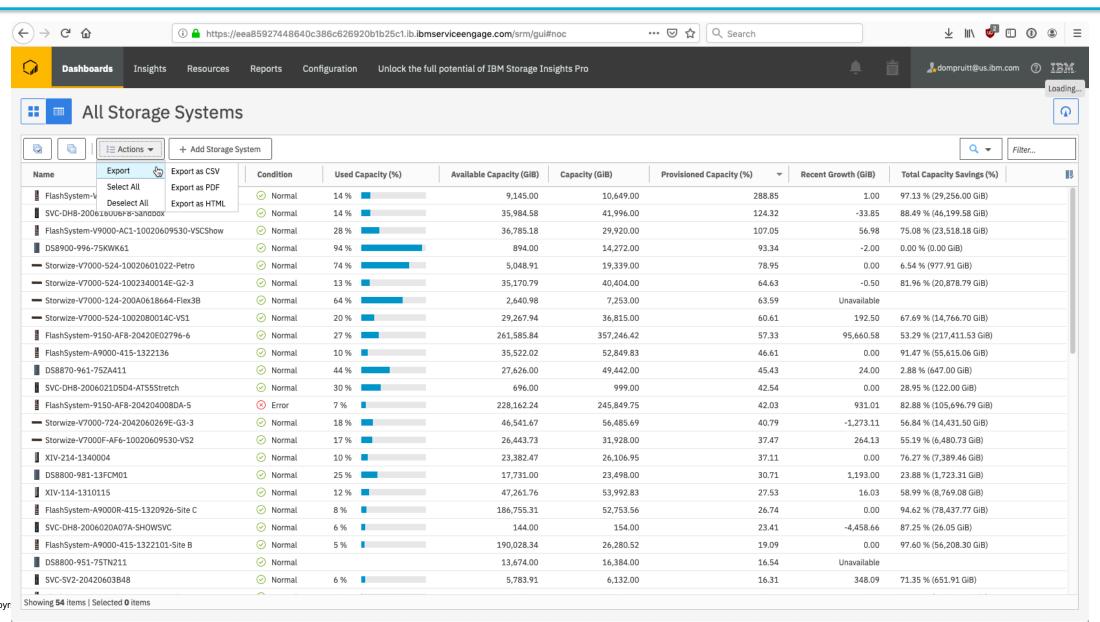


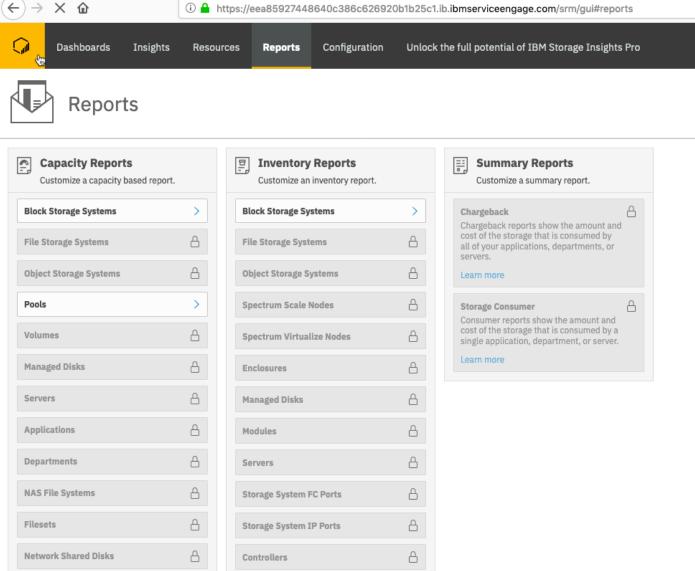






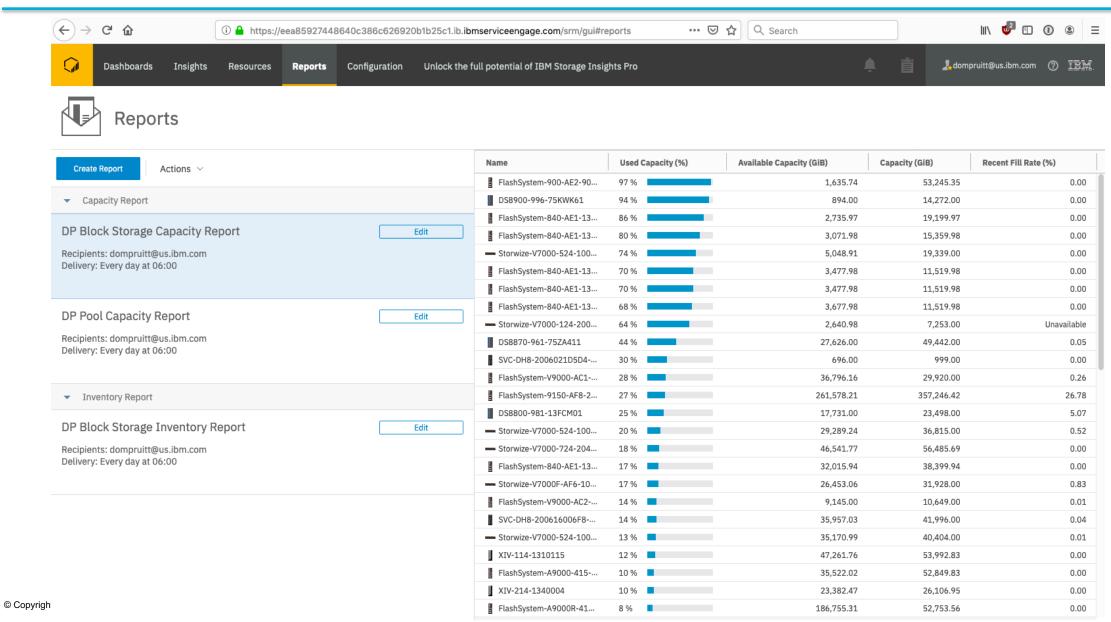
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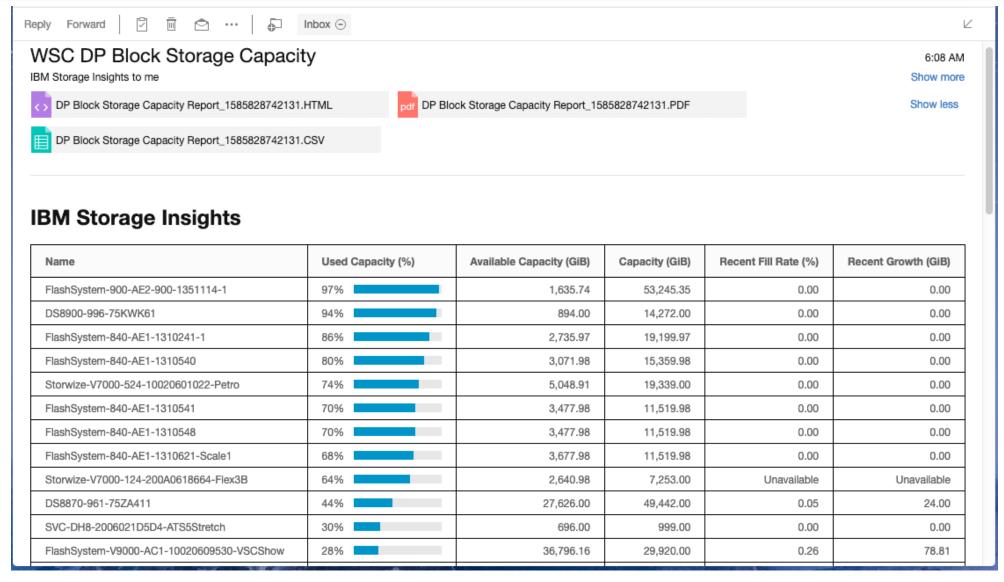




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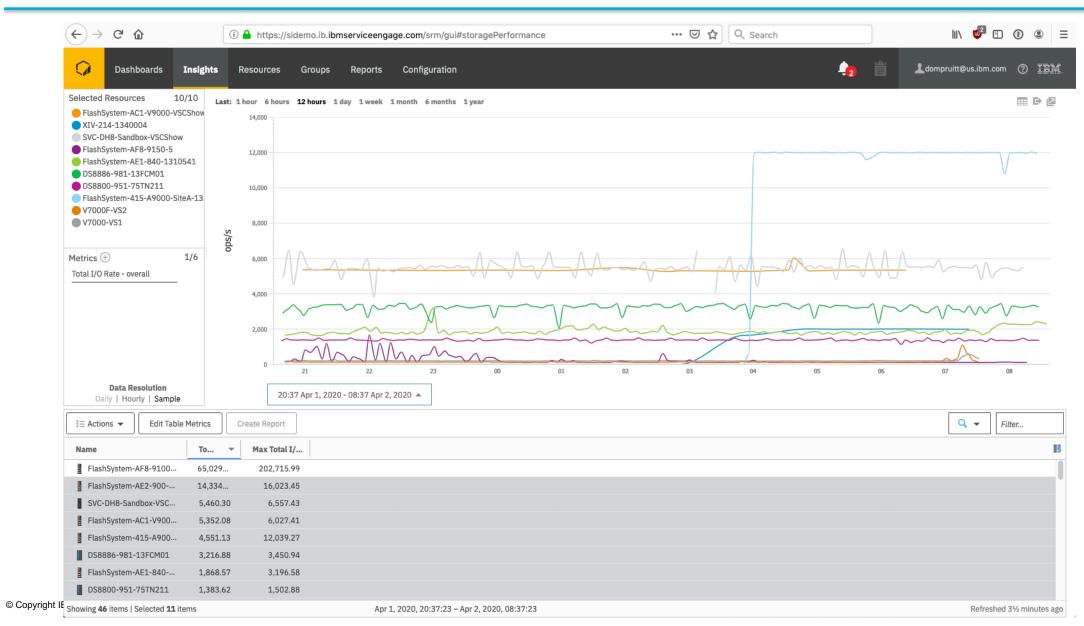
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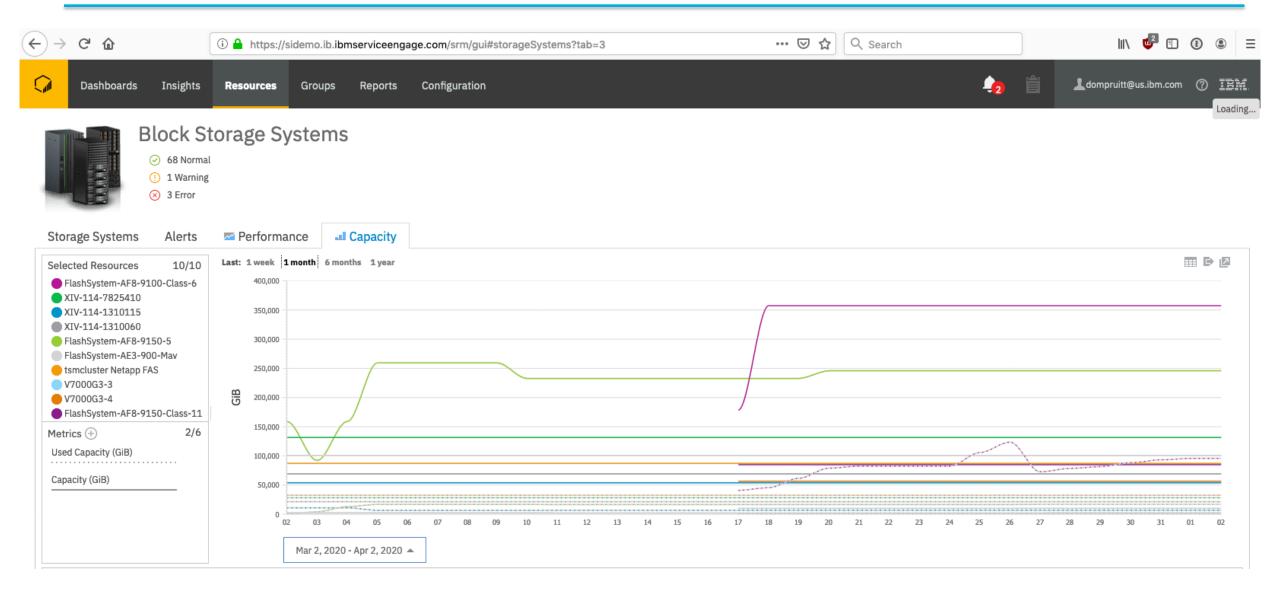


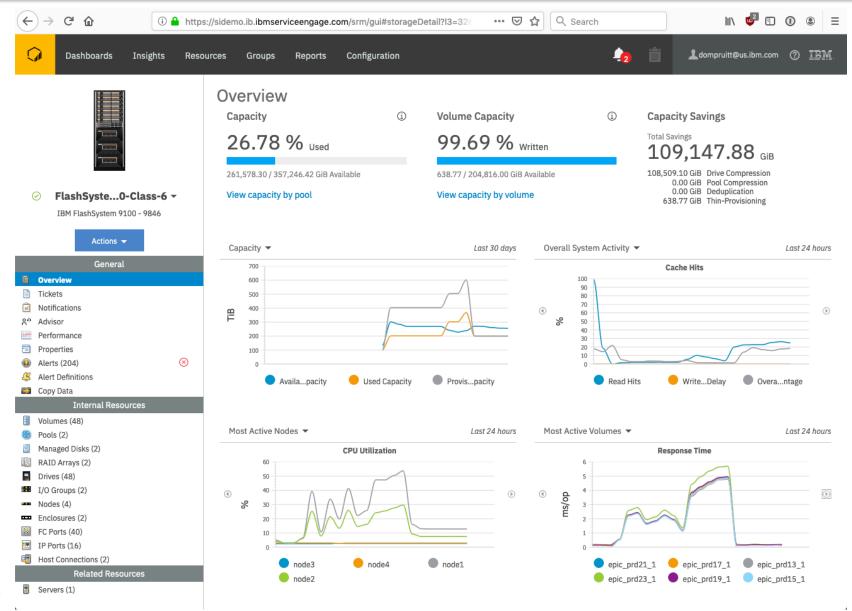


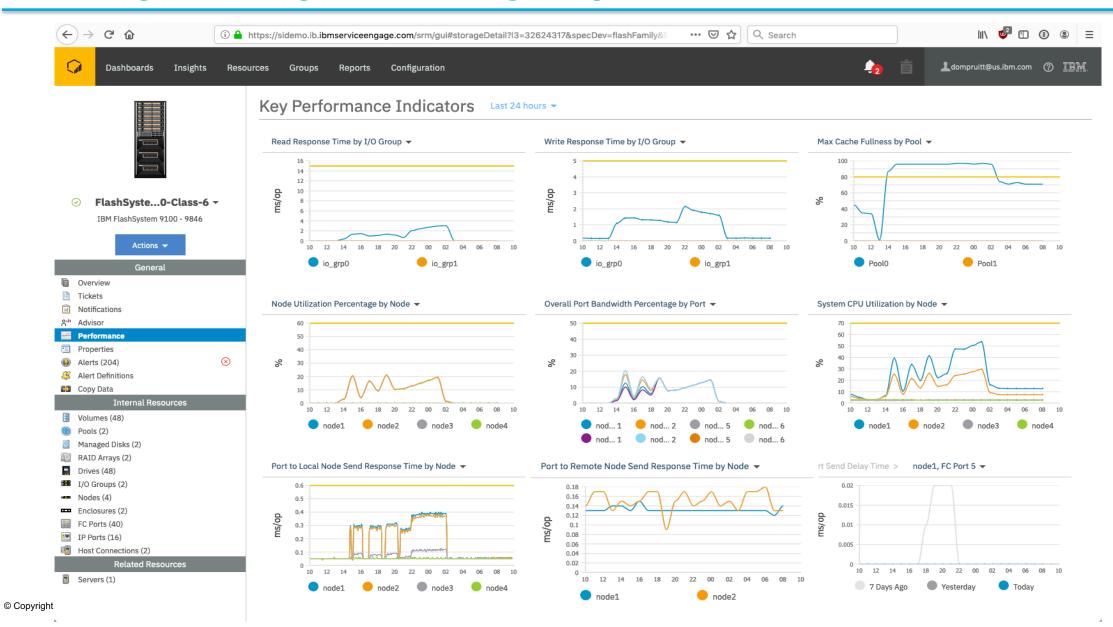
IBM Storage Insights Pro

- IBM Storage Insights Pro (includes all functions of Storage Insights free)
 - A subscription-based offering
 - Expands the IBM Storage Insights offering to include the monitoring of
 - IBM File storage products
 - IBM Object storage products
 - IBM Software-defined storage (SDS) systems
 - Monitoring of non-IBM block and file storage systems
 - Alerts dashboard so you can view and manage alerts in one place
 - Configurable alerts
 - Predictive analytics to
 - Reduce costs
 - Plan capacity
 - Detect and investigate performance issues
 - Recommendations for reclaiming unused storage, recommendations for optimizing the placement of tiered data, capacity planning analytics, and performance troubleshooting tools.

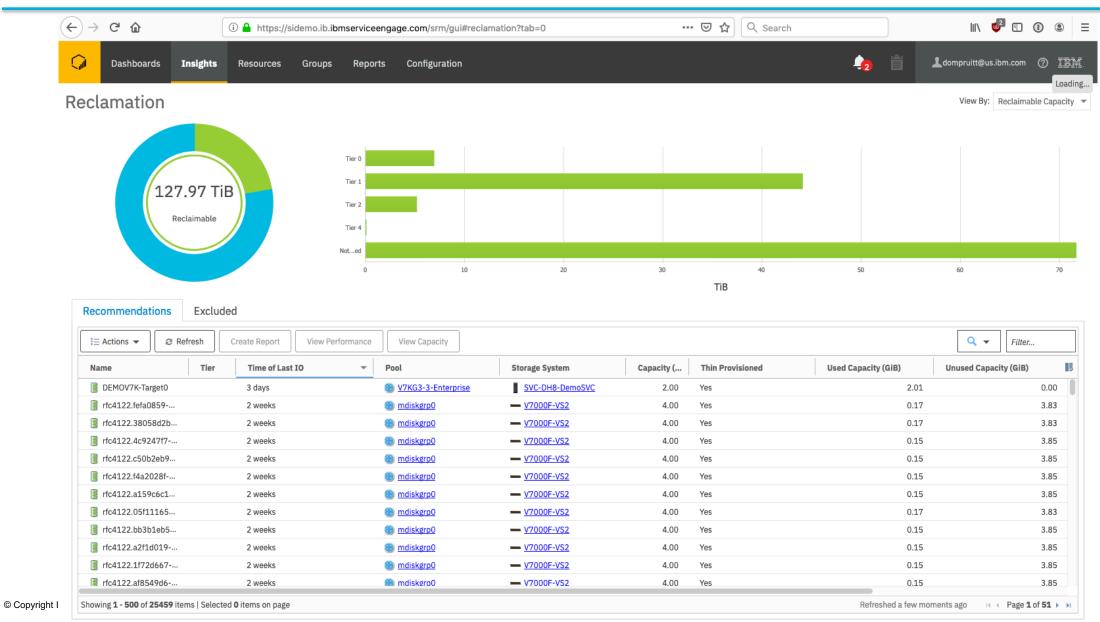






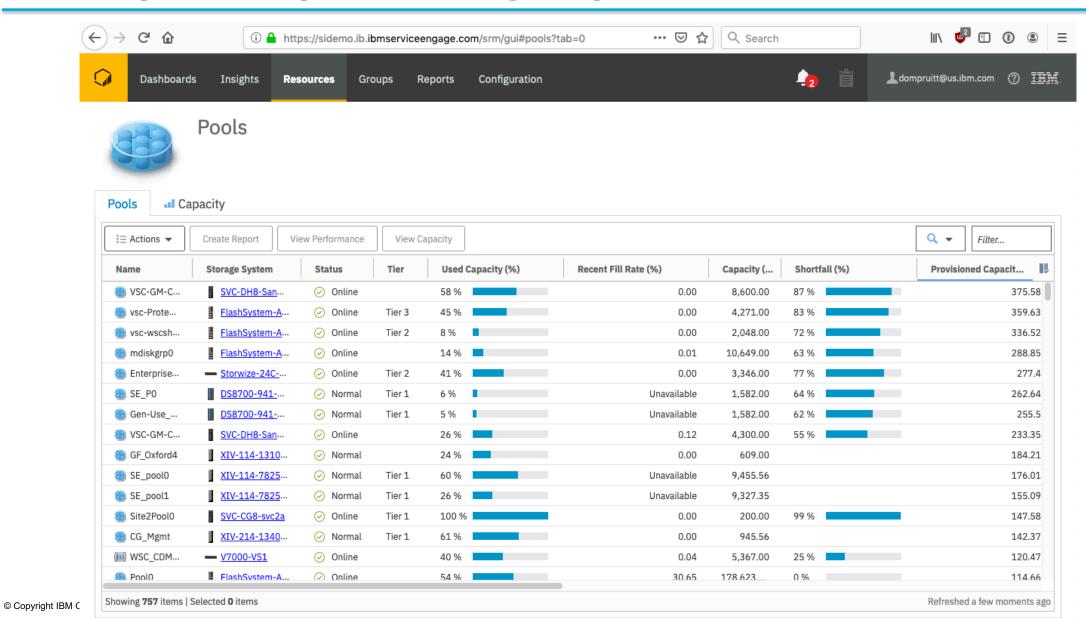


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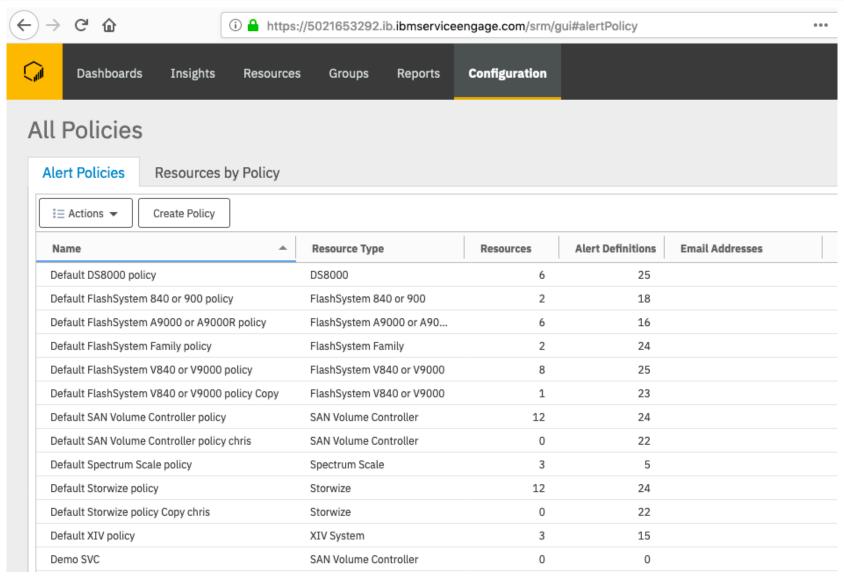


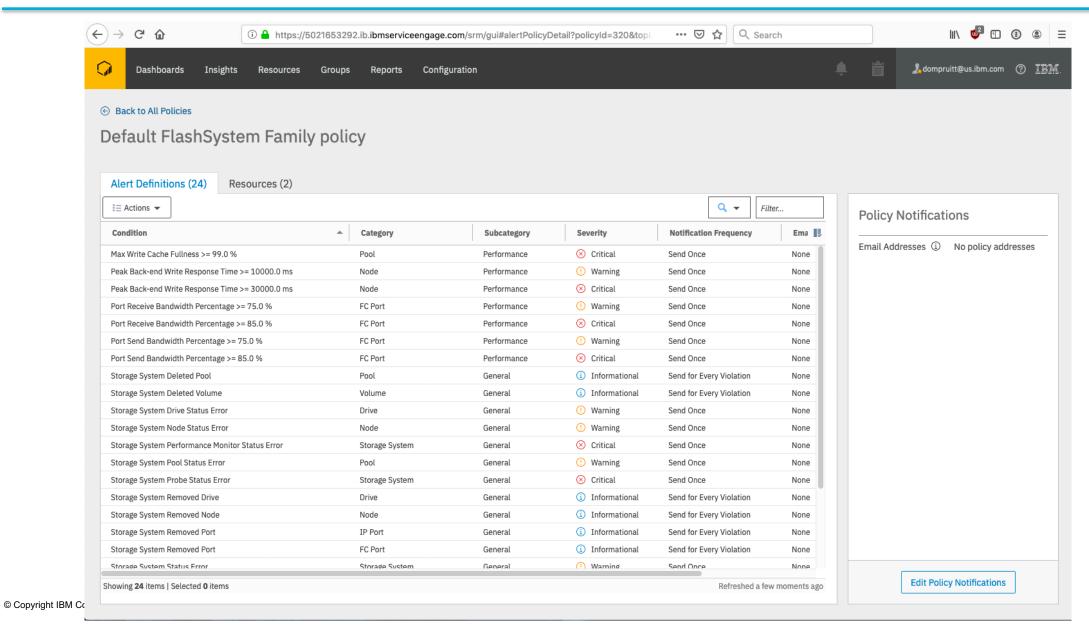
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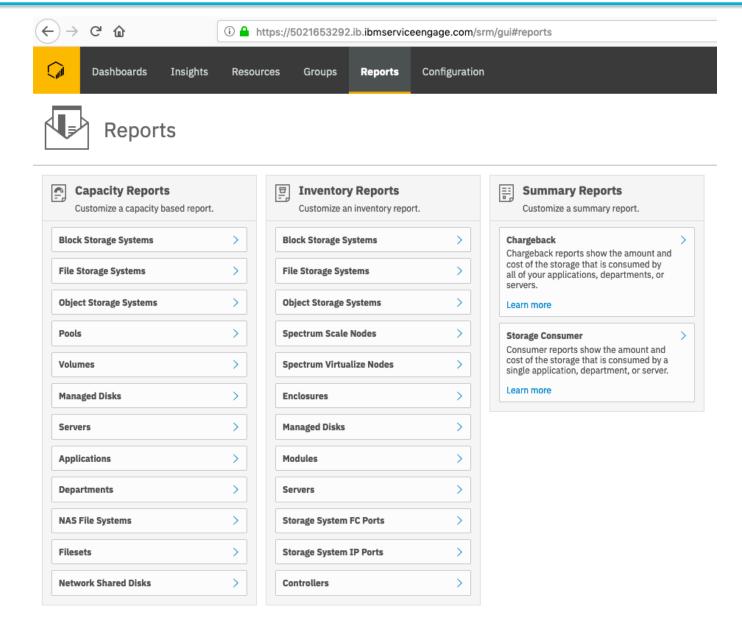
IBM Storage Monitoring – SaaS – Storage Insights Pro



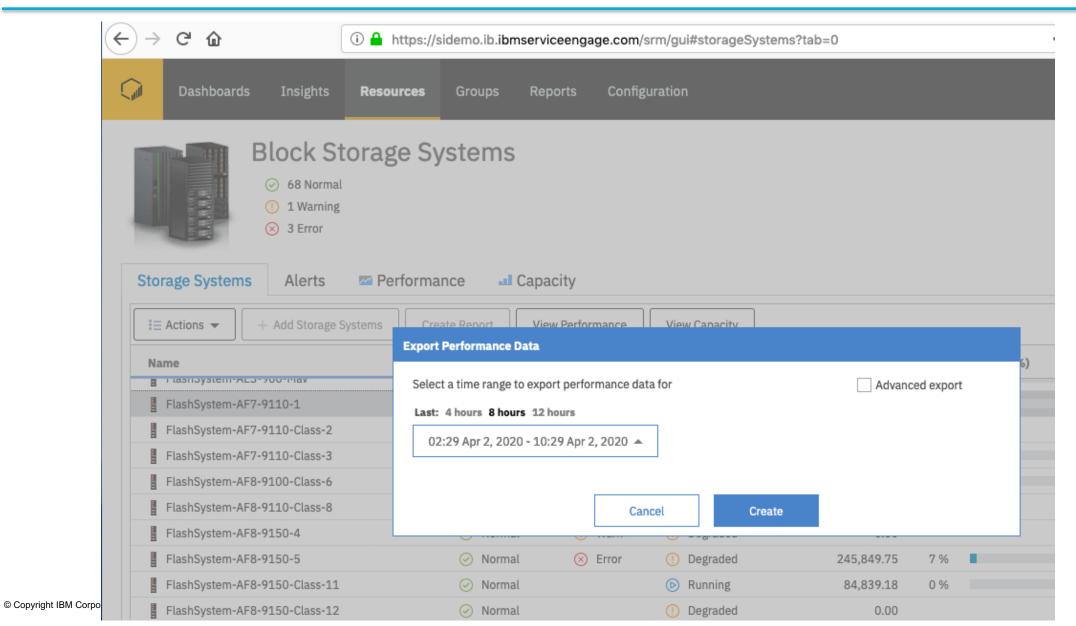
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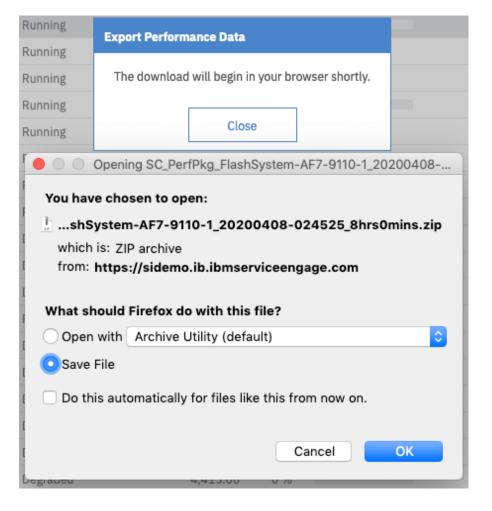


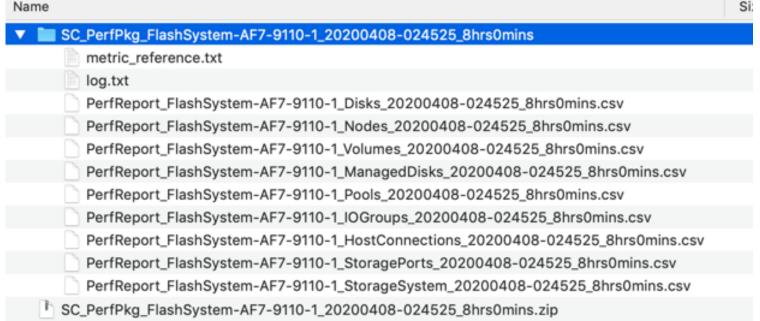


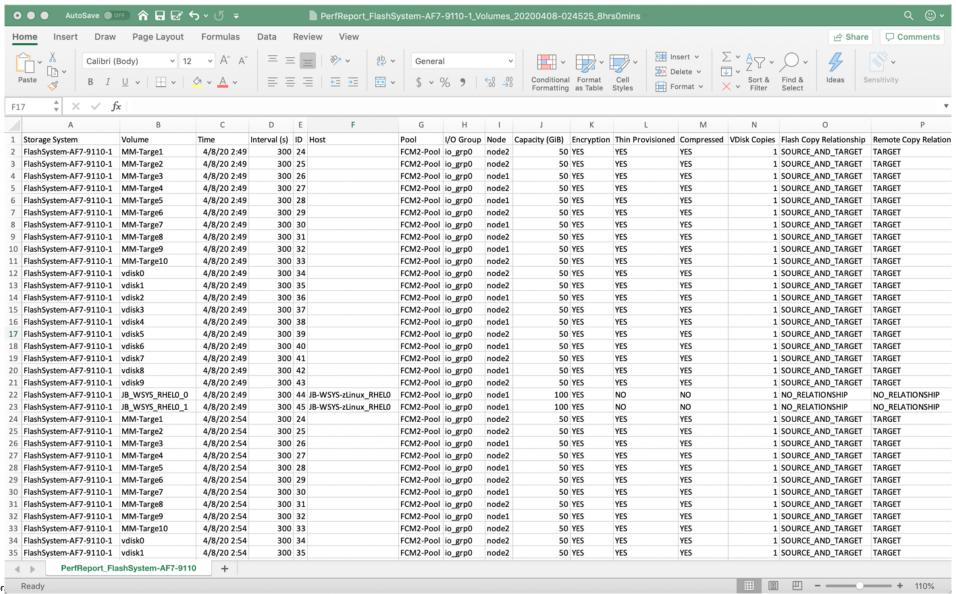


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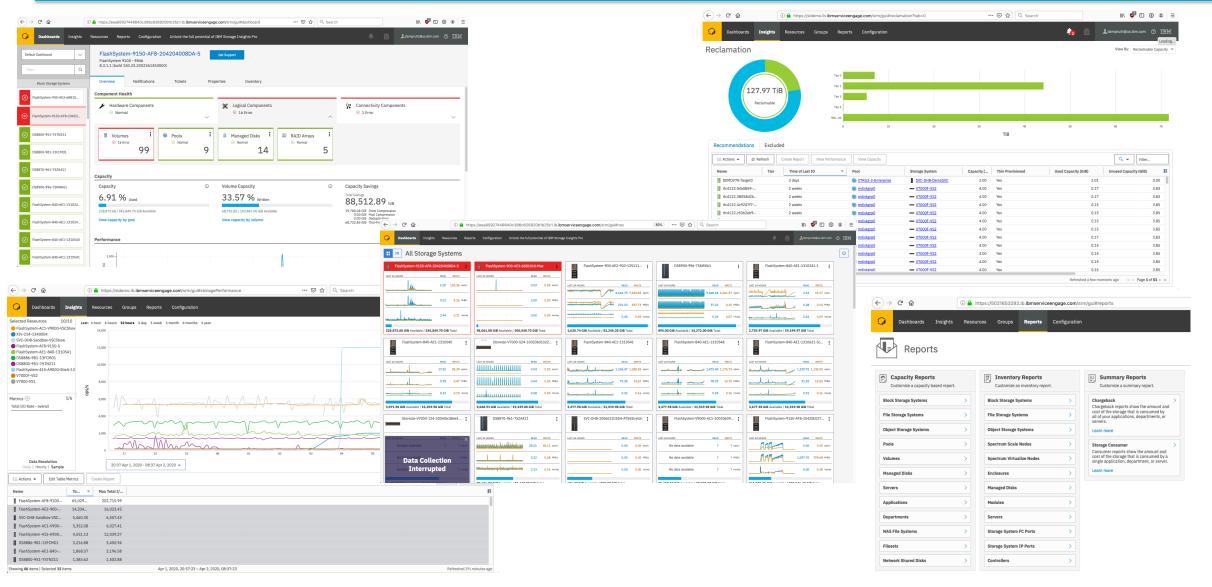


IBM Storage Insights for Spectrum Control

IBM Storage Monitoring – SaaS – Storage Insights for Spectrum Control

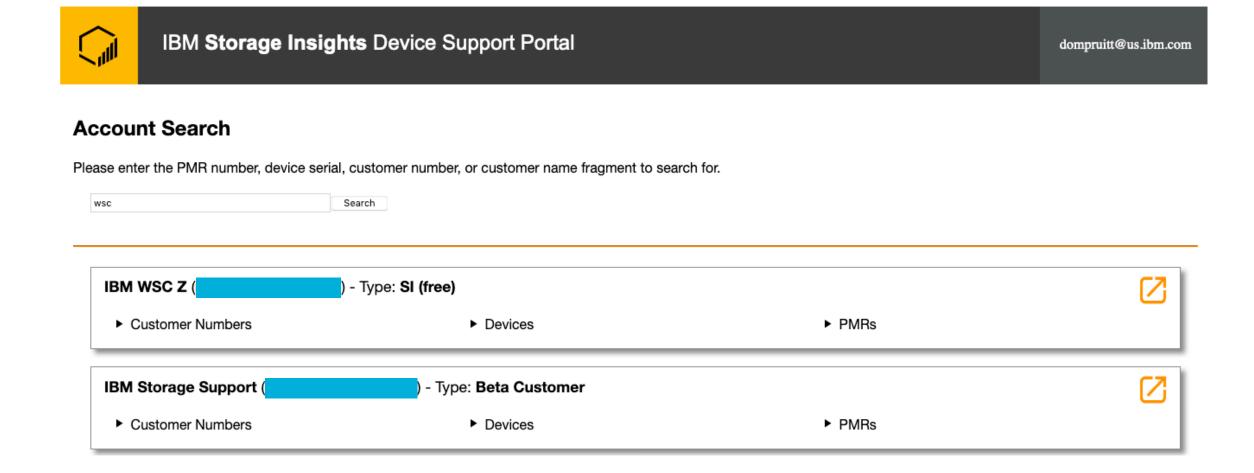
- IBM Storage Insights for Spectrum Control (functionally equivalent to Storage Insights Pro)
 - An offering based on Spectrum Control licensing
 - Expands the IBM Storage Insights offering to include the monitoring
 - IBM File storage products
 - IBM Object storage products
 - IBM Software-defined storage (SDS) systems
 - Monitoring of non-IBM block and file storage systems
 - Alerts dashboard so you can view and manage alerts in one place
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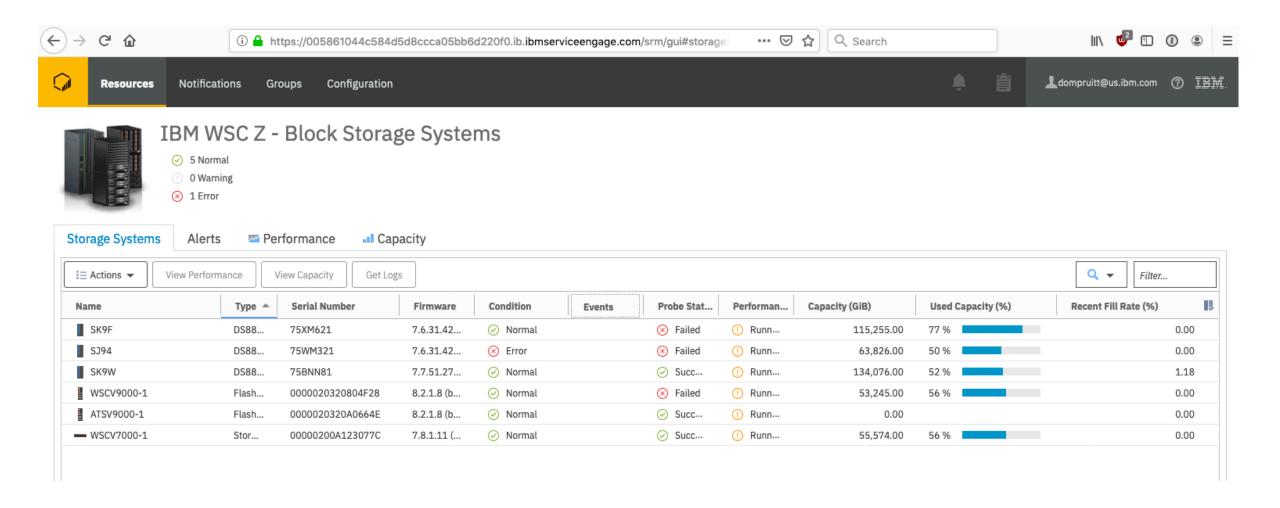
IBM Storage Monitoring – SaaS – Storage Insights for Spectrum Control

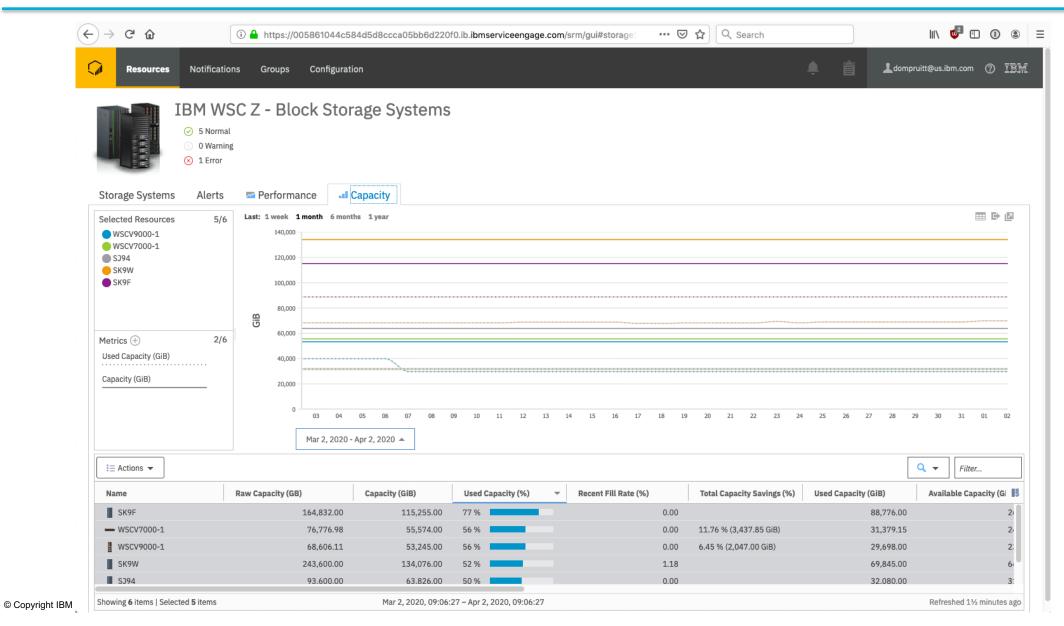


IBM Storage Insights Device Support Portal

- IBM Storage Insights Device Support Portal (the IBM Internal Support View)
 - IBM internal support website
 - Allows IBM Support to view collected metadata from customers (read only)
 - Views of Block, File, Object and Server Resources
 - Views of Call Home, Alerts, and Advisor Notifications
 - Views of Applications, Department, and General Groups
 - Views of Data Collectors and Alert Policies

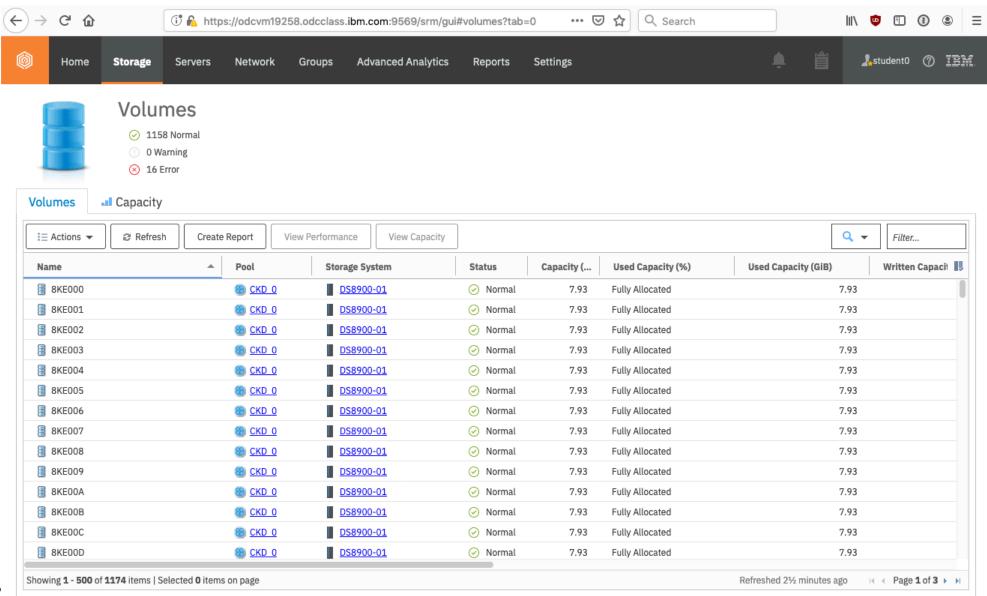


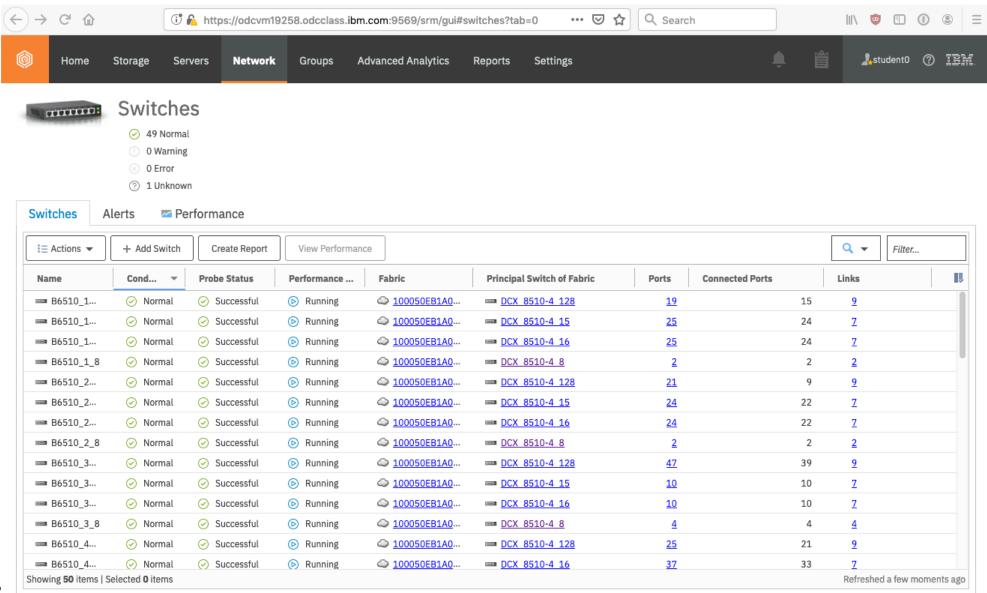


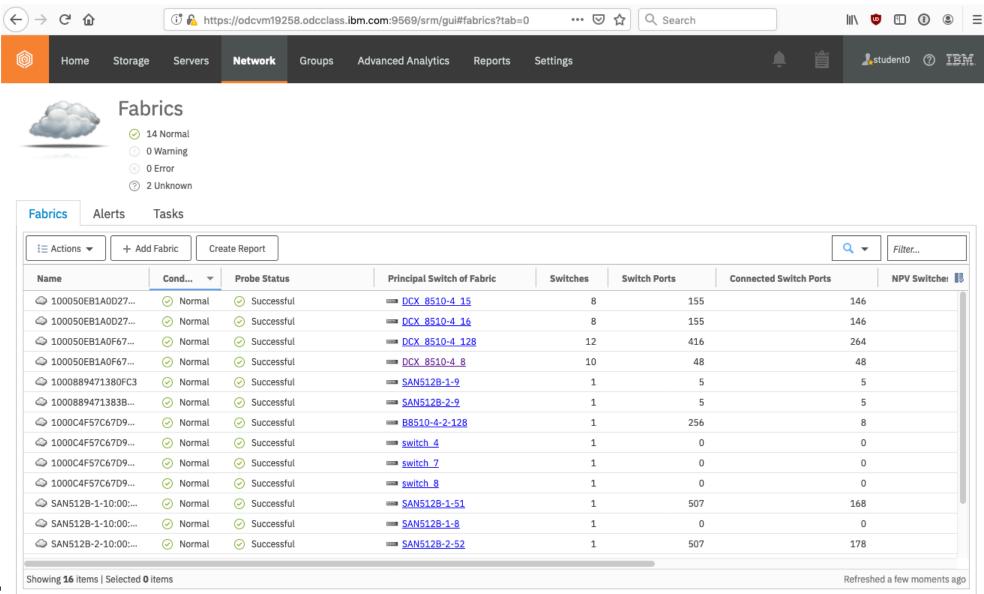


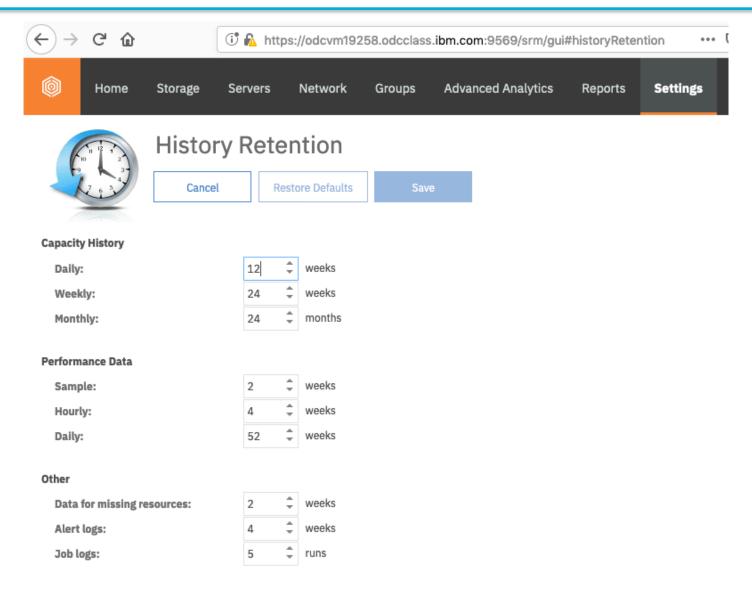
IBM Spectrum Control Standard Edition

- IBM Spectrum Control Standard Edition
 - Installed inside your datacenter
 - Provides a set tools for managing storage capacity, availability, alerts, events, performance, and resources
 - Reduces the complexity of managing a storage environment by centralizing, simplifying, and optimizing storage tasks that are associated with storage systems, storage networks, performance troubleshooting, and capacity management
 - Helps detect potential problems on your storage resources
 - Simplifies the management of storage infrastructures
 - Manages, administers, and provisions SAN-attached storage
 - Monitors and tracks performance of SAN-attached resources
 - Monitors, manages, and controls (through zones) SAN fabric components
 - Manages the capacity utilization and availability of file systems
 - Web GUI Reporting



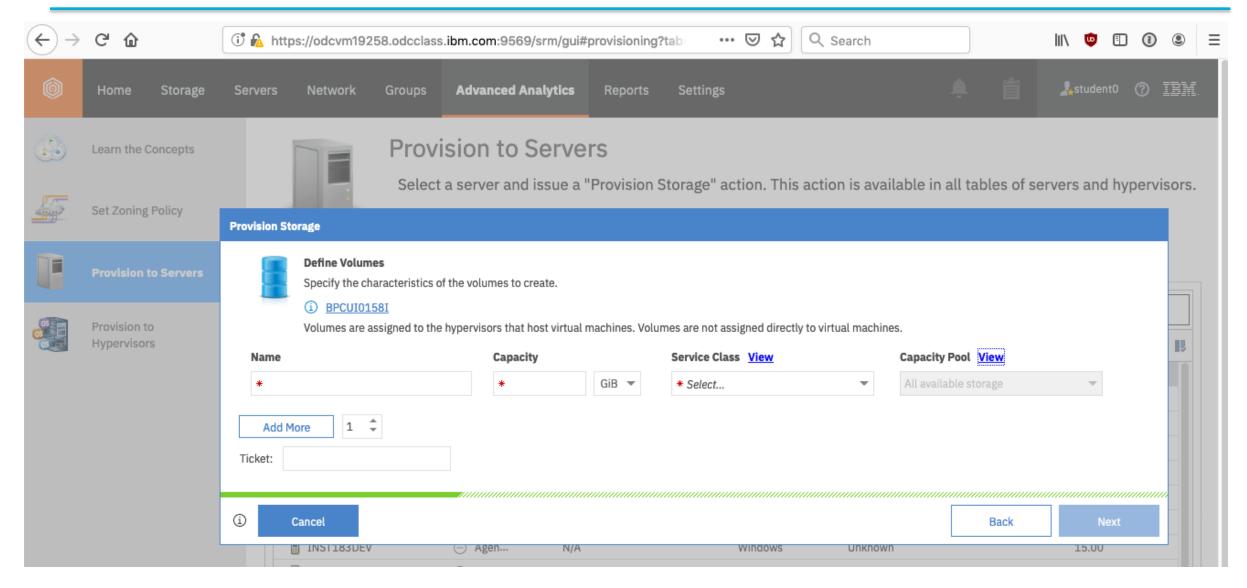


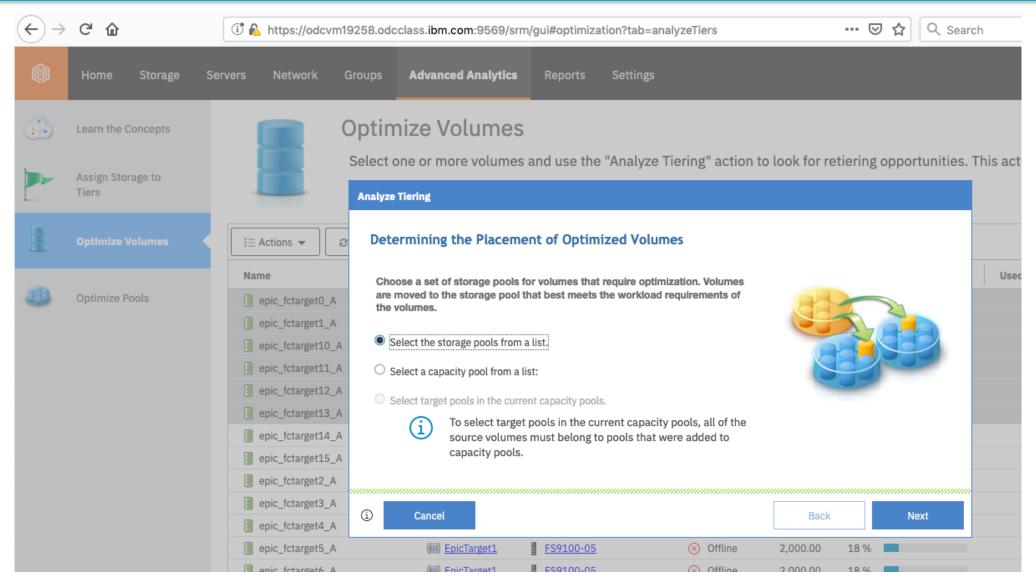


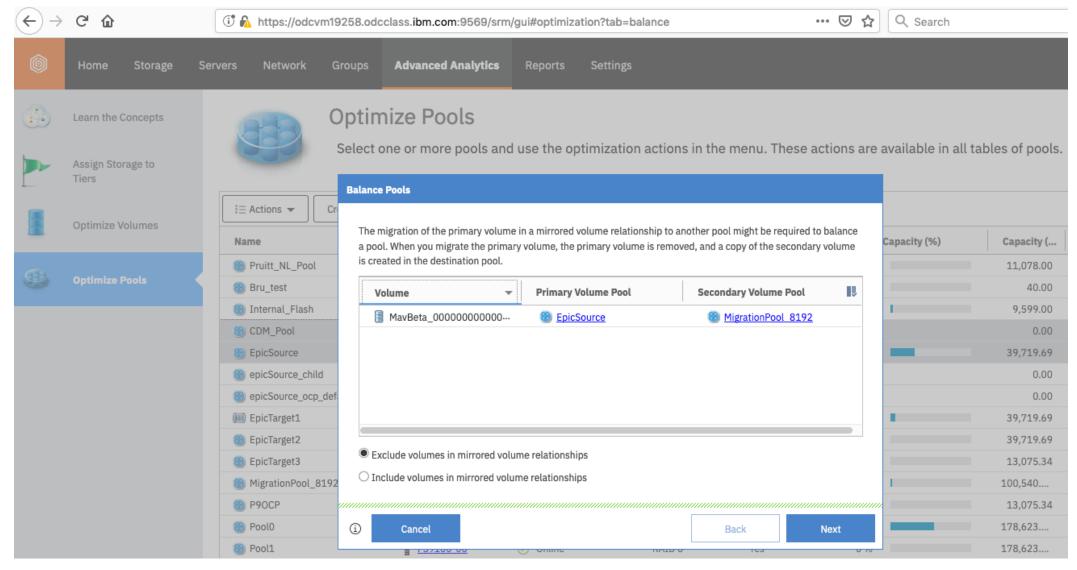


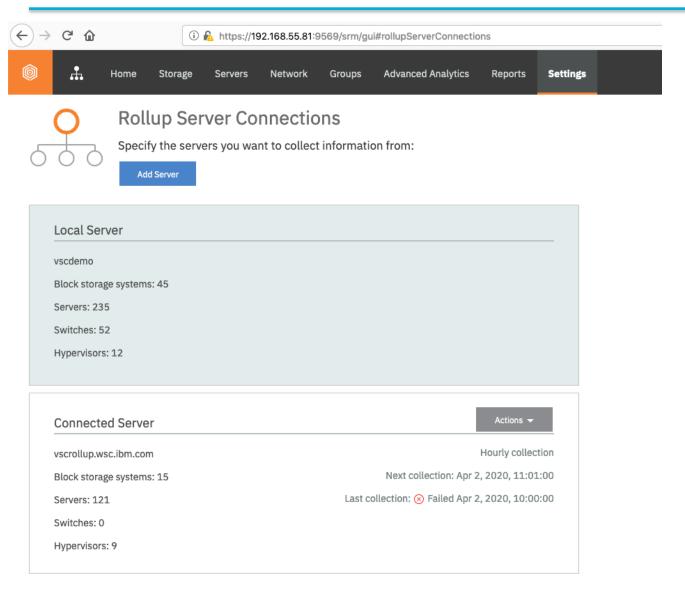
IBM Spectrum Control Advanced Edition

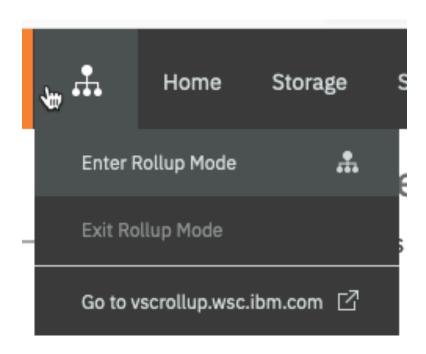
- IBM Spectrum Control Advanced Edition
 - Installed inside your datacenter
 - All functions of Spectrum Control Standard
 - Additional Web GUI Reports
 - Storage transformation (thick volume to thin or compressed)
 - Tiering automation (movement of volumes to optimize performance)
 - Storage Pool Balancing
 - Storage Reclamation
 - Rollup reporting











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Useful Links

- IBM Storage Insights Public Demo (IBMid required) http://ibm.biz/insightsdemo
- IBM Storage Insights Security Guide
 - Everything about the storage data collector and metadata collected
 - https://www.ibm.com/support/knowledgecenter/SSQRB8/com.ibm.spectrum.si.doc/IBM Storage Insights Security Guide.pdf
- IBM Storage Insights Supported Devices
 - https://www.ibm.com/support/knowledgecenter/SSQRB8/com.ibm.spectrum.si.doc/prd_supported_storage_resources.html
- IBM Storage Insights Knowledge Center
 - https://www.ibm.com/support/knowledgecenter/SSQRB8/com.ibm.spectrum.si.doc/tpch_saas_welcome.html
- IBM Spectrum Control Knowledge Center
 - https://www.ibm.com/support/knowledgecenter/SS5R93 5.3.6/com.ibm.spectrum.sc.doc/tpc kc homepage.html
- IBM Storage Insights / Spectrum Control Demonstration Test Drive (IBM Client Demonstration Center)
 - https://www.ibm.com/systems/clientcenterdemonstrations/faces/_rlvid.jsp?_rap=!viewDemo&_rvip=/dcSearchDemonstrations.jsp&demold=3467&conversationContext=1
- Dominic Pruitt's work blog and work twitter account (where I put useful stuff)
 - https://StorageMVP.com@StorageMVP

Thank you. Questions?