



# Washington Systems Center - Storage

## Exporting the DS8000 System Summary

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## Agenda

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- What is the DS8000 System Summary?
- Why would I want to use it?
- Offloading the System Summary
  - Understanding the raw file
- Where to find the optional formatting tool
- Using the optional formatting tool
- Understanding the information in the System Summary
- What about DS8QTool?
- Real-time demo

## What is the DS8000 System Summary?

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- The DS8000 system consists of hardware and software which backs logically defined disk to allow application servers to read or write the disk storage
  - In a dynamic environment keeping the documentation up to date can become a time consuming task
  - Even in static environments this documentation task can be daunting
- Beginning with release 7.5 level of microcode on the DS8870 and on all models of the DS8880 family, an option has been added to the management interface (GUI) to simplify this task providing details on
  - The storage system
  - Hardware
  - Logical configuration
  - Security settings

## Why would I want to use it?

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- Using the exported system summary you can easily
  - Document your DS8000 environment
  - Provide information useful for resource management and asset utilization
  - Plan for future admin tasks and upgrades
  - Provide configuration information to IBM or an IBM authorized Business Partner
  - Provide documentation to your help desk

## Offloading the System Summary

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- To offload the DS8000 System Summary
  - Log on to the DS8000 and select the export option
  - Save the raw comma separated values (CSV) file to your local workstation

# Exporting the System Summary on a DS8880

The screenshot displays the IBM Storage Management Console interface. At the top, the breadcrumb navigation shows 'IBM.210 > Frame 1' and the system name 'IBM DS8000'. The user is identified as 'pgspagn (Administrator)'. A red arrow points to the 'Actions' menu icon in the top left. A modal dialog box is open in the center, titled 'Opening IBM.2107-13FCM01\_StgSysSummary\_20161222.csv'. The dialog contains the following text: 'You have chosen to open: IBM.2107-13FCM01\_StgSysSummary\_20161222.csv which is: Microsoft Excel Comma Separated Values File from: https://9.82.30.36:8452'. Below this, it asks 'What should Firefox do with this file?' with three options: 'Open with Microsoft Excel (default)', 'Save File' (which is selected), and 'Do this automatically for files like this from now on.' (which is unchecked). 'OK' and 'Cancel' buttons are at the bottom of the dialog. On the right side of the console, a 3D rendering of an IBM DS8880 storage rack is shown. At the bottom of the console, three status bars are visible: '24.46 of 52.68 TiB', 'Throughput: 26.6 MBps, 2K IOPS', and 'Online'.

# Understanding the raw file

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IBM.2107-13FCM01_StgSysSummary_20161219.csv - Notepad
File Edit Format View Help
ds8886sj8e2,Online,R8.2,88.20.94.0,192.168.21.39,Secondary (2),Disabled,Enabled,Enabled,U8100LI7.I230118,,,,,,,,,,,,,
ds8886sj8e1,Online,R8.2,88.20.94.0,192.168.21.36,Primary (1),Enabled,Enabled,Enabled,U8100LI7.I230086,,,,,,,,,,,,,
,,,,,,,,,,,,,
Storage Enclosures,,,,,,,,,,,,,
ID,Frame,State,Number of Drives,Drive Capacity (GB),Drive Class,Install Time,S/N,Location,,,,,,,,,,,,,
B4,1,Online,16,400,Flash,10/23/2015 13:01,G57J01H,U2107.D03.G57J01H,,,,,,,,,,,,,
2,1,Online,4,4000,Nearline 7K,10/23/2015 13:01,RJ03BB1,U2107.D02.RJ03BB1,,,,,,,,,,,,,
5,1,Online,24,600,Enterprise 15K,10/23/2015 13:01,RJ038VV,U2107.D02.RJ038VV,,,,,,,,,,,,,
7,1,Online,8,1600,SSD,10/23/2015 13:01,RJ0377K,U2107.D02.RJ0377K,,,,,,,,,,,,,
1,1,Online,4,4000,Nearline 7K,10/23/2015 13:01,RJ03BBR,U2107.D02.RJ03BBR,,,,,,,,,,,,,
4,1,Online,24,600,Enterprise 15K,10/23/2015 13:01,RJ03C2R,U2107.D02.RJ03C2R,,,,,,,,,,,,,
3,1,Online,24,600,Enterprise 15K,10/23/2015 13:01,RJ03BV8,U2107.D02.RJ03BV8,,,,,,,,,,,,,
8,1,Online,8,1600,SSD,10/23/2015 13:01,RJ03D0T,U2107.D02.RJ03D0T,,,,,,,,,,,,,
6,1,Online,24,600,Enterprise 15K,10/23/2015 13:01,RJ03C44,U2107.D02.RJ03C44,,,,,,,,,,,,,
,,,,,,,,,,,,,
Drives,,,,,,,,,,,,,
S/N,State,Array,Drive Capacity (GB),Drive Class,Interface,Interface Rate (Gbps),Firmware,Location,WWNN,Encryption,,,,,,,,,,,,,
5000A720300B3BE5,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D5,5000A720300B3BE5,Not Encrypted,,,,,,,,,,,,,
5000A720300B3BF3,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D16,5000A720300B3BF3,Not Encrypted,,,,,,,,,,,,,
500117310048F7B8,Normal,MA16,400,Flash,SAS,6,0TS8,U2107.D03.G57J01H-P1-D6,500117310048F7B8,Not Encrypted,,,,,,,,,,,,,
5000A720300B3BF8,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D14,5000A720300B3BF8,Not Encrypted,,,,,,,,,,,,,
5000A720300B40A6,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D10,5000A720300B40A6,Not Encrypted,,,,,,,,,,,,,
5000A720300B2FA4,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D2,5000A720300B2FA4,Not Encrypted,,,,,,,,,,,,,
5000A720300B3BDE,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D15,5000A720300B3BDE,Not Encrypted,,,,,,,,,,,,,
5000A720300B78A7,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D8,5000A720300B78A7,Not Encrypted,,,,,,,,,,,,,
5000A720300B2F96,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D1,5000A720300B2F96,Not Encrypted,,,,,,,,,,,,,
500117310048E684,Normal,MA17,400,Flash,SAS,6,0TS8,U2107.D03.G57J01H-P1-D12,500117310048E684,Not Encrypted,,,,,,,,,,,,,
5000A720300B3BBA,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D9,5000A720300B3BBA,Not Encrypted,,,,,,,,,,,,,
5000A720300B40A1,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D11,5000A720300B40A1,Not Encrypted,,,,,,,,,,,,,
5000A720300B40B4,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D3,5000A720300B40B4,Not Encrypted,,,,,,,,,,,,,
5000A720300B409F,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D4,5000A720300B409F,Not Encrypted,,,,,,,,,,,,,
5000A720300B40A5,Normal,MA17,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D13,5000A720300B40A5,Not Encrypted,,,,,,,,,,,,,
5000A720300B3BFC,Normal,MA16,400,Flash,SAS,6,2BB1,U2107.D03.G57J01H-P1-D7,5000A720300B3BFC,Not Encrypted,,,,,,,,,,,,,
K0350835F75F00D,Normal,MA7,4000,Nearline 7K,SAS,6,E074,U2107.D02.RJ03BB1-P1-D1,5000C500835F75F0,Not Encrypted,,,,,,,,,,,,,
K03508354B0500D,Normal,MA7,4000,Nearline 7K,SAS,6,E074,U2107.D02.RJ03BB1-P1-D4,5000C5008354B050,Not Encrypted,,,,,,,,,,,,,
K0350835489500D,Normal,MA7,4000,Nearline 7K,SAS,6,E074,U2107.D02.RJ03BB1-P1-D2,5000C50083548950,Not Encrypted,,,,,,,,,,,,,
K0350636AED7C0D,Normal,MA7,4000,Nearline 7K,SAS,6,E074,U2107.D02.RJ03BB1-P1-D3,5000C500636AED7C,Not Encrypted,,,,,,,,,,,,,
K03Ce591AD1230D,Normal,MA2,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D11,5000CCA0591AD123,Not Encrypted,,,,,,,,,,,,,
K03Ce591BEA9B0D,Normal,MA6,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D19,5000CCA0591BEA9B,Not Encrypted,,,,,,,,,,,,,
K03Ce5913DA130D,Normal,MA1,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D12,5000CCA05913DA13,Not Encrypted,,,,,,,,,,,,,
K03Ce591AD24B0D,Normal,MA2,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D21,5000CCA0591AD24B,Not Encrypted,,,,,,,,,,,,,
K03Ce5919E7530D,Normal,MA1,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D17,5000CCA05919E753,Not Encrypted,,,,,,,,,,,,,
K03Ce591B9C630D,Normal,MA5,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D1,5000CCA0591B9C63,Not Encrypted,,,,,,,,,,,,,
K03Ce591B69430D,Normal,MA3,600,Enterprise 15K,SAS,6,EF07,U2107.D02.RJ038VV-P1-D6,5000CCA0591B6943,Not Encrypted,,,,,,,,,,,,,

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## Exporting and formatting the DS8000 Logical Configuration

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Document Author: Paul Spagnolo

Doc. Organization: Advanced Technical Sales

Product(s) covered: # 2107; # 2421; # 2422; # 2423; # 2424 ; # 2831; # 2832; # 2833; # 2834; DS8000; DS8870; DS8880; DS8884; DS8886; DS8888

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**Abstract:** Export and format the DS8870 and DS8880 system summary

Starting with DS8870 at R7.5 and continuing on to the DS8880 models, you can export the logical configuration (system summary) report to show the defined resources within the DS8000. This spreadsheet can be used to import and then format the CSV file which is provided by the export. The spreadsheet has a single import button that you then will point to the file. The macro will format the report.

[DS8000 GUI Import Logical Configuration Data 2016-12-12.xlsx](#)

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Classification: Hardware

Platform(s): IBM System Storage

Category: Planning and Design

Keywords: DS8870 DS8880  
DS8884 DS8886  
DS8888

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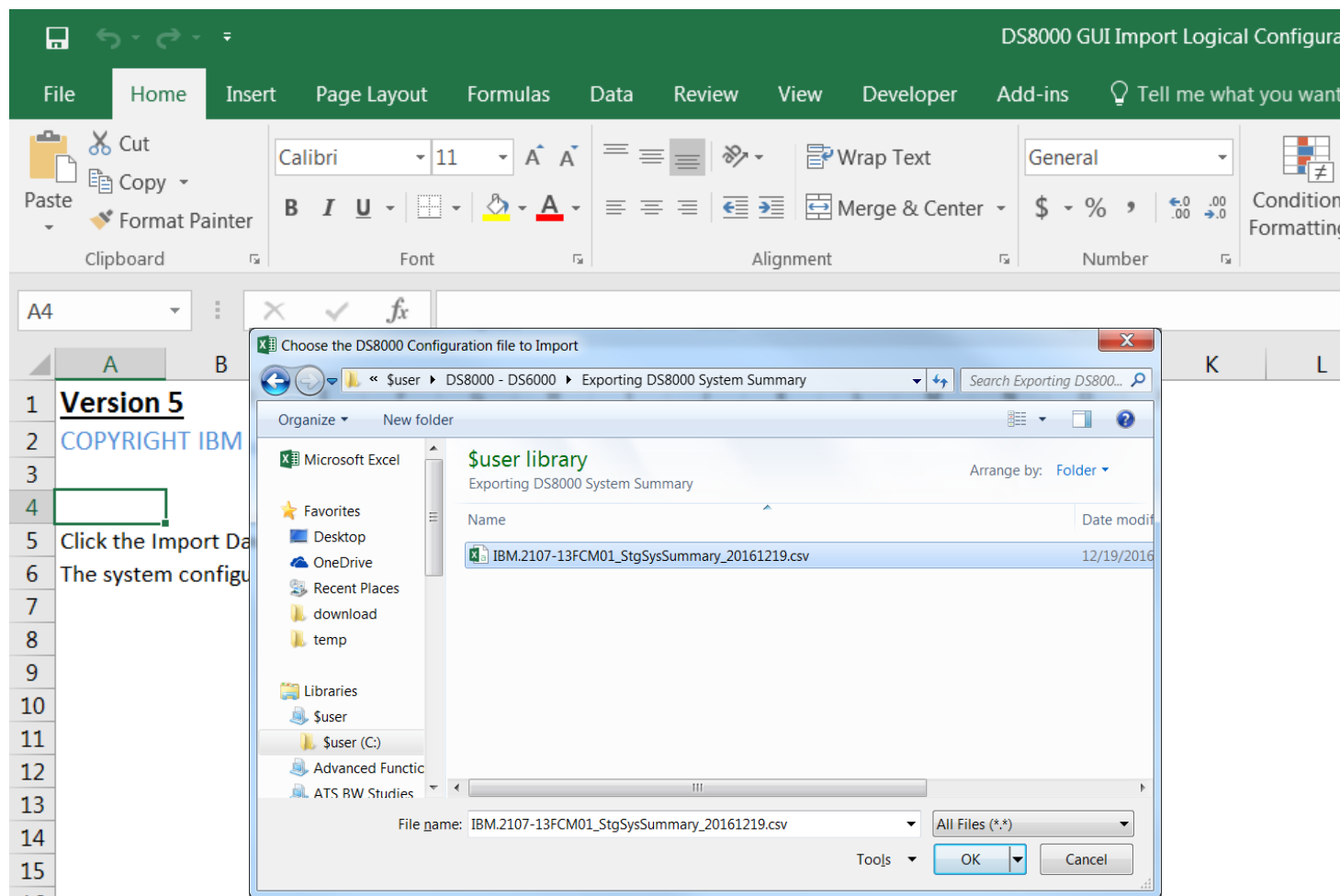
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<http://www-03.ibm.com/support/techdocs/atmastr.nsf/WebIndex/PRS5359>



# Formatting the System Summary



# Formatted Report

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E
1	System Information				
2	Name	IBM.2107-13FCM01			
3	Product	-			
4	Release	R8.2			
5	Bundle	88.20.94.0			
6	MTM	2831-981			
7	S/N	13FCM11			
8					
9	System	Hardware	Configuration	Security	
10	<a href="#">Storage System</a>	<a href="#">Nodes (2)</a>	<a href="#">Arrays (14)</a>	<a href="#">Users (16)</a>	
11	<a href="#">Licensed Functions (19)</a>	<a href="#">HMCs (2)</a>	<a href="#">Pools (8)</a>		
12	<a href="#">Function Switches</a>	<a href="#">Storage Enclosures (9)</a>	<a href="#">Volumes (378)</a>		
13		<a href="#">Drives (136)</a>	<a href="#">LSSs (23)</a>		
14		<a href="#">IO Enclosures (4)</a>	<a href="#">Hosts (2)</a>		
15		<a href="#">Host Adapters (8)</a>	<a href="#">Host Ports (8)</a>		
16		<a href="#">IO Ports (32)</a>			
17		<a href="#">Device Adapters (10)</a>			
18		<a href="#">UPSs (2)</a>			
19					
20					

# DS8000 Query Tool (DS8QTool) Video

The screenshot shows the IBM Techdocs Library interface. At the top, there is a navigation bar with the IBM logo, a search box, and links for Home, Solutions, Services, Products, Support & downloads, and My IBM. A location indicator shows 'United States [change]'. Below the navigation bar, the page title is 'DS8000 Query Tool (DS8QTool) Video'. The document author is Paul Spagnolo, and the document ID is PRS5224. The document organization is Advanced Technical Sales, and the document was revised on 02/03/2014. The product(s) covered are # 2107; # 2421; # 2422; # 2423; # 2424; DS8000; DS8300; DS8700; DS8800; DS8870. An abstract states: 'This is a video describing how to obtain, install and use the DS8000 Query Tool (DS8QTool)'. Below the abstract, there is a paragraph describing the video's content and a video icon with the filename 'DS8Qtool Video 2014-01-23.mp4'. On the right side, there are sections for 'The Techdocs Library' with a 'Learn more' link, and 'Techdocs QuickSearch' with a search input field and a 'Go' button. At the bottom, there is a classification section with 'Classification: Hardware', 'Category: Planning and Design', 'Platform(s): IBM System Storage', and 'Keywords: DS8000 DS8100 DS8300 DS8700 DS8800 DS8870'. A sidebar on the left contains a 'Techdocs Library' menu with options like 'Flashes', 'Presentations & tools', 'Technotes & tips', 'FAQs', 'White papers', 'Customer support plans', 'Auxiliary Material', and 'Search Techdocs'. Below the sidebar, there are 'Related links' for Redbook publications and IBM Software Support Handbook.

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