

HISTORY OF FIBRE CHANNEL APPEAL ACTIVITIES AT JDSF

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A BOARD MEMBER OF JAPAN DATA STORAGE FORUM.

THE LEADER OF THE STORAGE ELEMENTAL TECHNOLOGY GROUP, A WORKING GROUP TO EDUCATE AND PROMOTE STORAGE NETWORKING TECHNOLOGY AT THE JDSF.

FUJITSU LIMITED





HISTORY OF THE JAPAN DATA STORAGE FOUNDATION

1997 JDSF Start

FC promotion activities as FCIA-J

2003 FC Promotion activities as Fibre Channel Technology WG

2010 FC Promotion activities as Storage Networking Technology WG

2017 JDSF 20 year's anniversary

FC Promotion activities as Storage Elemental Technology WG

2019 Introduce JDSF on SODA Forum Dec. 2019, Tokyo

2020 Join SODACON 2020

Since the birth of the JDSF, we have continued to promote Fibre Channel.





OBJECTIVES OF THE JDSF STORAGE NETWORKING ENLIGHTENMENT

Purpose

- Promoting the use of Fibre Channel in Japan.
- Deploy Fibre Channel technical specifications and improve SAN interoperability.
- Cooperated with the Fibre Channel Industry Association (FCIA) in the United States.

Activities

- Participation in exhibitions
- Provision of technical information
- Seminars to improve the level of technology
- Connection tests such as interoperation verification



HISTORY OF JDSF STORAGE NETWORKING ACTIVITY FIBRE CHANNEL



1997
<FCIA-J>

Fibre Channel Tech WG>

FC 1Gbps

FC 8Gbps

FC 8Gbps

FC 8Gbps

FC 8Gbps

FC 8Gbps

FC 64Gbps

FC 64Gbps

FC 4Gbps

FC 16Gbps FC 32Gbps

FC Technical Book

FC 2Gbps



FC

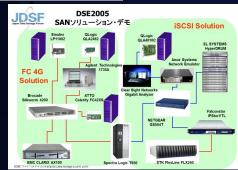
Activity



FC Interoperability DEMO at DSE

FC Technical Book





FC Interoperability DEMO at DSE



FC Road Map





FC Technology seminar

FC Road Map



@FCIA



HISTORY OF JDSF STORAGE NETWORKING ACTIVITY FCXX/ISCSI

1997 <FCIA-J>

2003 Fibre Channel Tech WG>

Storage Networking WG>

Storage Elemental Technology WG>

JDSF

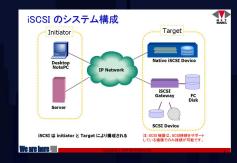
JDSF

IETF ips-WG で標準化が完了 → RFC3821 FCフレームを IP ネットワークを通して送る IPネットワークを伝送路としたFCリンク(1対1)を延長 専用の機器で SAN と IP ネットワークをつなぐ ファイバチャネル

FCIP Technical Seminar

NPIV Technical Seminar

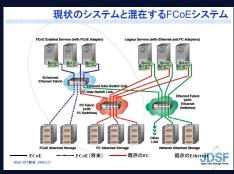


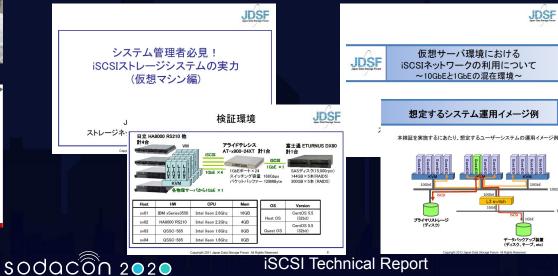


iSCSI Technical Seminar









iSCSI

FCXX

Activity



FUTURE OF STORAGE NETWORKING ACTIVITY

1997 2020

Fibre Channel

Fibre Channel

FCxx

Ethernet base

iscsi

Continue activities in the future

Focus on future activities

NVMe

NVMe over XX





ANOTHER ACTIVITIES AT JDSF

SAT: Storage Applied Technology WG

The activities of SAT WG consider the ideal way of data and storage from a data-driven perspective. SAT WG read white papers published by the government, consider how storage should be, and inform the results on seminar or JDSF web site.









ANOTHER ACTIVITIES AT JDSF

SMS: Storage Management Technology WG

The activities of SMS WG investigate and examine the ideal way of data management and summarize it.

SMS WG is considering the optimal data management method from the type and usage of data for the utilization of data.

SMS also consider data types, optimal storage locations, and data flows from various perspectives.





