

深谷赤十字病院

部門システム仮想化基盤ハードウェア
第三者保守 要求仕様書

Ver1.0

令和8年5月27日

1. 目的

本調達は、メーカー保守終了後の対象ハードウェアに対して第三者保守を導入し、安定稼働の継続および障害発生時の迅速な復旧体制を確保することを目的とする。

2. 契約条件

- ・ メーカー保守終了日：2026年9月9日
- ・ 契約期間：2026年9月10日～2027年10月31日
- ・ 契約期間終了後、必要に応じて別途契約手続を行う場合があること。

3. 対象機器

1) ネットワークスイッチ

- ① DELL PowerSwitch S3048-ON 2台
- ② DELL PowerSwitch S4048-ON 4台

2) サーバー・ストレージ

- ① DELL PowerEdge R440 1台
- ② DELL PowerEdge R640 5台
- ③ DELL SCv3000 3Ux16 ドライブストレージアレイ 1台
- ④ DELL PowerEdge T640 1台

※ 各ハードウェアの詳細については「別紙1」を参照すること

※ 各ネットワークスイッチのライセンス等の詳細については、「別紙2～7」を参照すること

4. 保守体制要件

1) 受付体制

- ① 障害発生時は、電話による受付が24時間365日可能であること
- ② 障害受付窓口は、一元化されていること

2) 対応要件 (SLA: Service Level Agreement)

- ① 病院から送信したエラーログ等の内容を確認のうえ、障害内容を把握できる体制を有すること
- ② SLA定義は以下のとおりとする
 - ・ 現地対応開始とは、現地において作業を開始した時点とすること
 - ・ SLAは、障害受付時刻から現地対応開始時刻までとすること
- ③ 障害受付後4時間以内に現地対応を開始すること

3) SLA未達時の対応

- ① SLA未達が発生した場合は、原因分析および再発防止策を書面にて提出すること。

4) 対応内容

- ① ハードウェア障害の切り分け
- ② 故障部位の特定
- ③ 部品交換
- ④ 動作確認

5. 部品供給要件

- 1) 保守対象機器に対する交換部品の供給体制（在庫または調達手段）を有すること。
- 2) 主要部品について、供給可否および調達方法を明示すること。
 - ① ディスク (HDD/SSD)
 - ② 電源ユニット
 - ③ メモリ
 - ④ RAID コントローラ
- 3) 同等性能以上の代替部品での対応可否を明示すること。

6. 対象機器ごとの対応可否

- 1) 仕様適合確認のため、入札参加時に対象機器ごとに以下を明示した資料を提出すること。
 - ① 保守対応可否
 - ② 部品供給可否
 - ③ 第4項に定めるSLAへの対応可否※ 「一式」等の包括表記は禁止し、対象機器ごとに個別明示すること。

7. 対応不可機器の取り扱い

- 1) 保守対応が不可能な機器が存在する場合は、以下を提示すること。
 - ① 対応不可の理由
 - ② 代替案（代替機、構成変更等）
 - ③ 障害発生時の影響範囲およびリスク

8. 実績要件

- 1) 24時間365日稼働する医療情報システムまたは24時間365日継続稼働が求められる情報システムの保守実績を有すること。
- 2) 仕様適合確認のため、入札参加時に実績概要（契約対象の概要、契約期間等）を提出すること。

9. 資格・許認可要件

- 1) 保守業務の実施にあたり、法令上必要な資格・許認可を有していること。

10. 報告要件

- 1) 障害発生時の報告は、速報報告と完了報告（原因・対応内容）を書面にて行うこと。
 - ① 速報報告：受付後24時間以内
 - ② 完了報告：復旧後5営業日以内
- 2) 完了報告には、原因、対応内容および再発防止策を含めること。
- 3) 必要に応じて部品交換履歴を書面にて提出すること。

11. 提出資料

1) 本調達における仕様適合性の確認のため、以下の資料を提出すること。

- ① 保守体制図
- ② 障害対応フロー
- ③ SLA 定義
- ④ 部品供給体制説明
- ⑤ 実績概要（一覧形式）
- ⑥ 機器ごとの対応可否一覧

以上

【別紙1】部門システム稼働化監視第三者保守対象ハードウェア一覧(2019年11月稼働 2026年9月10日保守切れ)

メーカー名	製品名	型番	シリアル (バーコード)	設置 台数	CPU	メモリ	メモリ 枚数	ハードウェア ①	ハードウェア ②	ハードウェア ③
DELL	PowerEdge R440 Server	210-ALZE	JM449X2	1	Intel Xeon 7コア 8175 2.1G、28G/56T、 10.4G/s QPI、38M キャッシュ、 HT (165W) DDR4-2666	32GB RDIMM 2666M/s 7.2T 32G	6	600GB 15K RPM SAS 120bps 512n 2.5インチ 4枚/3.5インチ 1枚、3.5インチ 垂直4枚/搭載	-	-
DELL	PowerEdge R640 Server	210-MKMU	JM340M2 JM259X2	3	Intel Xeon 7コア 8175 2.1G、28G/56T、 10.4G/s QPI、38M キャッシュ、 HT (165W) DDR4-2666	32GB RDIMM 2666M/s 7.2T 32G	6	BSSS 2.5インチ 3枚 + 2.5インチ 240G (RAID 1) 付き、 LP	-	-
DELL	PowerEdge R640 Server	210-MKMU	JM769X2 JM700M2	2	Intel Xeon 7コア 8175 2.1G、28G/56T、 10.4G/s QPI、38M キャッシュ、 HT (165W) DDR4-2666	32GB RDIMM 2666M/s 7.2T 32G	6	300GB 15K RPM SAS 120bps 512n 2.5インチ 4枚/3.5インチ 1枚/3.5インチ	-	-
DELL	PowerEdge T640 7-1 -	210-MJDC	JM479X2	1	Intel Xeon Silver 4114 2.2G、 10G/20T、9.6G/s、14M Cache, Turbo, HT (35W) DDR4-2400	16GB RDIMM 2666M/s、7.2T 32G	2	10TB 7.2K RPM NL SAS 512e 3.5インチ 4枚/3.5インチ 1枚/3.5インチ	-	300GB 15K RPM SAS 120bps 512n 2.5インチ 4枚/3.5インチ 1枚/3.5インチ、 3.5インチ 垂直4枚/搭載
DELL	S03000 30x16 1.7x1.7 x1.7x1.7	210-ALVH	JM750M2	1	-	-	-	SC、3.84TB、SAS、120b、R1 SSD、2.5インチHIS	SC、10TB、SAS、120b、7.2K、 3.5インチ HDD	8
DELL	7コア 3.5GHz S4048-CN、48x 10GbE SFP+ と 6x 40GbE QSFP+ を含み、 PSU to 10 air、1x AC PSU、DNOS9	210-MUJZ	FM5NK2 1B5NK2	2	-	※7コア 3.5GHz、15.2T、 SFP+、10GbE、SR 850mm Wave length、 300m Reach	Qty: 48	-	-	-
DELL	7コア 3.5GHz S4048-CN、48x 10GbE SFP+ と 6x 40GbE QSFP+ を含み、 PSU to 10 air、1x AC PSU、DNOS9	210-MUJZ	DJMSNK2 8LMSNK2	2	-	※7コア 3.5GHz、15.2T、 SFP+、10GbE、SR 850mm Wave length、 300m Reach	Qty: 48	-	-	-
DELL	7コア 3.5GHz S3048-CN、 48x 10GbE、4x SFP+、10GbE を含み、 Stacking、PSU to 10 air、1x AC PSU、DNOS 9	210-MEDP	613Z2P2 67000Z	2	-	※7コア 3.5GHz、15.2T、 SFP+、10GbE、SR 850mm Wave length、 300m Reach	Qty: 2	-	-	-

【別紙 2】

Dell EMC Real Time Operating System Software

Dell EMC Operating System Version: 2.0

Dell EMC Application Software Version: 9.13(0.1)

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Build Time: Tue Feb 27 09:26:47 2018

Build Path: /build/build04/SW/SRC

Dell EMC Networking OS uptime is 6 year(s), 30 week(s), 0 day(s), 23 hour(s), 39 minute(s)

System image file is "system://A"

System Type: S3048-ON

Control Processor: Intel Rangeley with 2 Gbytes (2127654912 bytes) of memory, core(s) 2.

8G bytes of boot flash memory.

1 52-port GE/TE (SG-ON)

48 GigabitEthernet/IEEE 802.3 interface(s)

4 Ten GigabitEthernet/IEEE 802.3 interface(s)

SW-MGMT-1#

SW-MGMT-1#show inventory

System Type : S3048-ON
System Mode : 1.0
Software Version : 9.13(0.1)

Unit Type	Serial Number	Part Number	Rev	Piece Part ID	Rev	Svc Tag	Exprs	Svc Code
* 1	S3048-ON-01-FE-52T NA	0J4T5K	A05	CN-0J4T5K-CES00-93F-0018	A05	G73ZZP2	352 584 986 78	
1	S3048-ON-PWR-AC-R NA	00X3X6	A00	TH-00X3X6-17971-92E-0M1C	A00	NA	NA	
1	S3048-ON-PWR-AC-R NA	00X3X6	A00	TH-00X3X6-17971-92E-0M4C	A00	NA	NA	
1	S3048-ON-FAN-R NA	05JHJD	A00	CN-05JHJD-CES00-92E-0221	A00	NA	NA	
1	S3048-ON-FAN-R NA	05JHJD	A00	CN-05JHJD-CES00-92E-0601	A00	NA	NA	
1	S3048-ON-FAN-R NA	05JHJD	A00	CN-05JHJD-CES00-92E-0595	A00	NA	NA	

* - Management Unit

--More--

Software Protocol Configured

LLDP
NTP
SNMP

SW-MGMNT-1#show in inventory media

Slot	Port	Type	Media	Serial Number	Dell Qualified
1	49	SFP+	10GBASE-CU3M	CN053HVN93C50N0	Yes
1	50		Media not present or accessible		
1	51	SFP+	10GBASE-CU1M	CNOLXD0093B0C6K	Yes
1	52	SFP+	10GBASE-CU1M	CNOLXD0093B0CDC	Yes

SW-MGMNT-1#exit

Session terminated for user admin on line vty 0 (172.30.92.31)

【別紙 3】

Dell EMC Real Time Operating System Software

Dell EMC Operating System Version: 2.0

Dell EMC Application Software Version: 9.13(0.1)

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Build Time: Tue Feb 27 09:26:47 2018

Build Path: /build/build04/SW/SRC

Dell EMC Networking OS uptime is 6 year(s), 28 week(s), 4 day(s), 3 hour(s), 14 minute(s)

System image file is "system://A"

System Type: S3048-ON

Control Processor: Intel Rangeley with 2 Gbytes (2127654912 bytes) of memory, core(s) 2.

8G bytes of boot flash memory.

1 52-port GE/TE (SG-ON)

48 GigabitEthernet/IEEE 802.3 interface(s)

4 Ten GigabitEthernet/IEEE 802.3 interface(s)

SW-MGMNT-2#show inventory

System Type : S3048-ON

System Mode : 1.0

Software Version : 9.13(0.1)

Unit Type	Serial Number	Part Number	Rev	Piece Part ID	Rev	Svc Tag	Exprs	Svc Code
1 S3048-ON-01-FE-52T	NA	0J4T5K	A05	CN-0J4T5K-CES00-93F-0036	A05	G7Q00Q2	352 954 515	62
1 S3048-ON-PWR-AC-R	NA	00X3X6	A00	TH-00X3X6-17971-92E-0M16	A00	NA	NA	
1 S3048-ON-PWR-AC-R	NA	00X3X6	A00	TH-00X3X6-17971-91E-0LC7	A00	NA	NA	
1 S3048-ON-FAN-R	NA	05JHJD	A00	CN-05JHJD-CES00-8CS-0738	A00	NA	NA	
1 S3048-ON-FAN-R	NA	05JHJD	A00	CN-05JHJD-CES00-8CS-0098	A00	NA	NA	
1 S3048-ON-FAN-R	NA	05JHJD	A00	CN-05JHJD-CES00-8CS-0726	A00	NA	NA	

* - Management Unit

--More--

Software Protocol Configured

LLDP
NTP
SNMP

SW-MGMNT-2#show inventory media

Slot	Port	Type	Media	Serial Number	Dell Qualified
1	49	SFP+	10GBASE-CU3M	CN053HVN93C50NP	Yes
1	50		Media not present or accessible		
1	51	SFP+	10GBASE-CU1M	CN0LXD0093B0C6K	Yes
1	52	SFP+	10GBASE-CU1M	CN0LXD0093B0CDC	Yes

SW-MGMNT-2#

SW-MGMNT-2#

【別紙 4】

Dell EMC Real Time Operating System Software

Dell EMC Operating System Version: 2.0

Dell EMC Application Software Version: 9.13(0.1)

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Build Time: Tue Feb 27 09:27:11 2018

Build Path: /build/build05/SW/SRC

Dell EMC Networking OS uptime is 4 year(s), 7 week(s), 5 day(s), 5 hour(s), 23 minute(s)

System image file is "system://A"

System Type: S4048-ON

Control Processor: Intel Rangeley with 3 Gbytes (3201302528 bytes) of memory, core(s) 2.

8G bytes of boot flash memory.

1 54-port TE/FG (SK-ON)

48 Ten GigabitEthernet/IEEE 802.3 interface(s)

6 Forty GigabitEthernet/IEEE 802.3 interface(s)

SW-ISCSI-1#

SW-ISCSI-1#show inventory

System Type : S4048-ON

System Mode : 1.0

Software Version : 9.13(0.1)

Unit	Type	Serial Number	Part Number	Rev	Piece Part ID	Rev	Svc Tag	Exprs	Svc Code
* 1	S4048-ON-01-FE-72	NA	0FRV58	A03	CN-0FRV58-28298-8CS-0646	A03	1BWSNK2	289 699 488 2	
1	S4048-ON-PWR-AC-R	NA	0CC6XG	A00	CN-0CC6XG-28298-8CP-0236	A00	NA	NA	
1	S4048-ON-PWR-AC-R	NA	0CC6XG	A00	CN-0CC6XG-28298-919-0284	A00	NA	NA	
1	S4048-ON-FAN-R	NA	03HC75	A00	CN-03HC75-28298-8CP-0656	A00	NA	NA	
1	S4048-ON-FAN-R	NA	03HC75	A00	CN-03HC75-28298-8CP-0670	A00	NA	NA	
1	S4048-ON-FAN-R	NA	03HC75	A00	CN-03HC75-28298-8CP-0669	A00	NA	NA	

* - Management Unit

--More--

Software Protocol Configured

LLDP

SNMP

SW-1#show inventory media

Slot	Port	Type	Media	Serial Number	Dell Qualified	
1	1	SFP+	10GBASE-SR	A1BAGCP	Yes	
1	2	SFP+	10GBASE-SR	A1BAGD0	Yes	
1	3	SFP+	10GBASE-SR	A1AC2UY	Yes	
1	4	SFP+	10GBASE-SR	A1BAG4X	Yes	
1	5		Media not present or accessible			
1	6		Media not present or accessible			
1	7	SFP+	10GBASE-SR	A1BAG76	Yes	
1	8		Media not present or accessible			
1	9	SFP+	10GBASE-SR	A1BAAGK	Yes	
1	10	SFP+	10GBASE-SR	AD92HA05PT	Yes	
1	11	SFP+	10GBASE-SR	AD92HA00E3	Yes	
1	12	SFP+	10GBASE-SR	AD92HA00DJ	Yes	
1	13	SFP+	10GBASE-SR	AD92HA05PS	Yes	
1	14	SFP+	10GBASE-SR	AD92HA00D6	Yes	
1	15	SFP+	10GBASE-SR	AD92HA05A9	Yes	
1	16	SFP+	10GBASE-SR	AD92HA05AV	Yes	
1	17	SFP+	10GBASE-SR	AD92HA05PN	Yes	
1	18	SFP+	10GBASE-SR	AD92HA00C1	Yes	
1	19	SFP+	10GBASE-SR	AD92HA05SK	Yes	
More	1	20	SFP+	10GBASE-SR	AD92HA05R5	Yes
1	21	SFP+	10GBASE-SR	AD92HA05R8	Yes	
1	22	SFP+	10GBASE-SR	AD92HA00ED	Yes	
1	23	SFP+	10GBASE-SR	AD92HA00C5	Yes	
1	24	SFP+	10GBASE-SR	AD92HA05NK	Yes	
1	25	SFP+	10GBASE-SR	AD92HA056S	Yes	
1	26	SFP+	10GBASE-SR	AD92HA05BB	Yes	
1	27	SFP+	10GBASE-SR	AD92HA05SH	Yes	
1	28	SFP+	10GBASE-SR	AD92HA05B5	Yes	
1	29	SFP+	10GBASE-SR	A1BA571	Yes	
1	30	SFP+	10GBASE-SR	A1BAFYR	Yes	
1	31	SFP+	10GBASE-SR	A1BAG7S	Yes	
1	32	SFP+	10GBASE-SR	A1BAGGF	Yes	
1	33	SFP+	10GBASE-SR	A1BA50V	Yes	
1	34	SFP+	10GBASE-SR	A1BAG03	Yes	
1	35	SFP+	10GBASE-SR	A1BAG5J	Yes	
1	36	SFP+	10GBASE-SR	A1BAB3J	Yes	
1	37	SFP+	10GBASE-SR	A1BAFZQ	Yes	
1	38	SFP+	10GBASE-SR	A1BAFYM	Yes	
1	39	SFP+	10GBASE-SR	A1BAG7P	Yes	

1	40	SFP+	10GBASE-SR	A1BAG7K	Yes	
1	41	SFP+	10GBASE-SR	A1BAG5W	Yes	
1	42	SFP+	10GBASE-SR	A1BAH4D	Yes	
--More--	1	43	SFP+	10GBASE-SR	A1AC2U6	Yes
1	44	SFP+	10GBASE-SR	A1BAGFA	Yes	
1	45	SFP+	10GBASE-SR	A1BAG08	Yes	
1	46	SFP+	10GBASE-SR	A1BAG5L	Yes	
1	47		Media not present or accessible			
1	48		Media not present or accessible			
1	49		Media not present or accessible			
1	50		Media not present or accessible			
1	51		Media not present or accessible			
1	52		Media not present or accessible			
1	53	QSFP	40GBASE-CR4-1M	CN05NP8R91521K0	Yes	
1	54	QSFP	40GBASE-CR4-1M	CN05NP8R917299H	Yes	

SW-ISCSI-1#

SW-ISCSI-1#

SW-ISCSI-1#exit

Session terminated for user admin on line vty 0 (172.30.92.31)

【別紙 5】

Dell EMC Real Time Operating System Software

Dell EMC Operating System Version: 2.0

Dell EMC Application Software Version: 9.13(0.1)

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Build Time: Tue Feb 27 09:27:11 2018

Build Path: /build/build05/SW/SRC

Dell EMC Networking OS uptime is 6 year(s), 32 week(s), 4 day(s), 1 hour(s), 10 minute(s)

System image file is "system://A"

System Type: S4048-ON

Control Processor: Intel Rangeley with 3 Gbytes (3201302528 bytes) of memory, core(s) 2.

8G bytes of boot flash memory.

1 54-port TE/FG (SK-ON)

48 Ten GigabitEthernet/IEEE 802.3 interface(s)

6 Forty GigabitEthernet/IEEE 802.3 interface(s)

SW-ISCSI-2#

SW-ISCSI-2#show inventory

System Type : S4048-ON

System Mode : 1.0

Software Version : 9.13(0.1)

Unit Type	Serial Number	Part Number	Rev	Piece Part ID	Rev	Svc Tag	Exprs	Svc Code
* 1	S4048-ON-01-FE-72	NA	0FRV58	A03 CN-0FRV58-28298-8CT-0034	A03	FFWSNK2	336 138 122 90	
1	S4048-ON-PWR-AC-R	NA	0CC6XG	A00 CN-0CC6XG-28298-8CP-0175	A00	NA		NA
1	S4048-ON-PWR-AC-R	NA	0CC6XG	A00 CN-0CC6XG-28298-919-0278	A00	NA		NA
1	S4048-ON-FAN-R	NA	03HC75	A00 CN-03HC75-28298-8CP-0515	A00	NA		NA
1	S4048-ON-FAN-R	NA	03HC75	A00 CN-03HC75-28298-8CP-0514	A00	NA		NA
1	S4048-ON-FAN-R	NA	03HC75	A00 CN-03HC75-28298-8CP-0513	A00	NA		NA

* - Management Unit

--More--

Software Protocol Configured

LLDP

NTP

SNMP

SW-ISCSI-2#show inventory media

Slot	Port	Type	Media	Serial Number	Dell Qualified	
1	1	SFP+	10GBASE-SR	A1BAG07	Yes	
1	2	SFP+	10GBASE-SR	A1AC2UJ	Yes	
1	3	SFP+	10GBASE-SR	A1BAFZU	Yes	
1	4	SFP+	10GBASE-SR	A1BAFYA	Yes	
1	5		Media not present or accessible			
1	6		Media not present or accessible			
1	7	SFP+	10GBASE-SR	A1BAG6J	Yes	
1	8		Media not present or accessible			
1	9	SFP+	10GBASE-SR	A1BAFYE	Yes	
1	10	SFP+	10GBASE-SR	AD92HA00CC	Yes	
1	11	SFP+	10GBASE-SR	AD92HA00F5	Yes	
1	12	SFP+	10GBASE-SR	AD92HA00D4	Yes	
1	13	SFP+	10GBASE-SR	AD92HA05B1	Yes	
1	14	SFP+	10GBASE-SR	AD92HA00DL	Yes	
1	15	SFP+	10GBASE-SR	AD92HA05RM	Yes	
1	16	SFP+	10GBASE-SR	AD92HA05AP	Yes	
1	17	SFP+	10GBASE-SR	AD92HA00CF	Yes	
1	18	SFP+	10GBASE-SR	AD92HA00D8	Yes	
1	19	SFP+	10GBASE-SR	AD92HA05PR	Yes	
--More--	1	20	SFP+	10GBASE-SR	AD92HA00E5	Yes
1	21	SFP+	10GBASE-SR	AD92HA00DK	Yes	
1	22	SFP+	10GBASE-SR	AD92HA00DS	Yes	
1	23	SFP+	10GBASE-SR	AD92HA00DT	Yes	
1	24	SFP+	10GBASE-SR	AD92HA00E7	Yes	
1	25	SFP+	10GBASE-SR	AD92HA056T	Yes	
1	26	SFP+	10GBASE-SR	AD92HA05SL	Yes	
1	27	SFP+	10GBASE-SR	AD92HA05AS	Yes	
1	28	SFP+	10GBASE-SR	AD92HA05AR	Yes	
1	29	SFP+	10GBASE-SR	A1BAG7N	Yes	
1	30	SFP+	10GBASE-SR	A1BAG5H	Yes	
1	31	SFP+	10GBASE-SR	A1BAG65	Yes	
1	32	SFP+	10GBASE-SR	A1AC2U5	Yes	
1	33	SFP+	10GBASE-SR	A1BAG2Y	Yes	
1	34	SFP+	10GBASE-SR	A1BA4RB	Yes	
1	35	SFP+	10GBASE-SR	A1AC2TR	Yes	
1	36	SFP+	10GBASE-SR	A1BAH44	Yes	
1	37	SFP+	10GBASE-SR	A1BAFSR	Yes	
1	38	SFP+	10GBASE-SR	A1AC2UV	Yes	

1	39	SFP+	10GBASE-SR	A1BAG9T	Yes	
1	40	SFP+	10GBASE-SR	A1BAH2G	Yes	
1	41	SFP+	10GBASE-SR	A1BA3QU	Yes	
1	42	SFP+	10GBASE-SR	A1BABH4	Yes	
--More--	1	43	SFP+	10GBASE-SR	A1BA51K	Yes
1	44	SFP+	10GBASE-SR	A1BAG0Y	Yes	
1	45	SFP+	10GBASE-SR	A1AC2VB	Yes	
1	46	SFP+	10GBASE-SR	A1BACDS	Yes	
1	47		Media not present or accessible			
1	48		Media not present or accessible			
1	49		Media not present or accessible			
1	50		Media not present or accessible			
1	51		Media not present or accessible			
1	52		Media not present or accessible			
1	53	QSFP	40GBASE-CR4-1M	CN05NP8R91521K0	Yes	
1	54	QSFP	40GBASE-CR4-1M	CN05NP8R917299H	Yes	

SW-ISCSI-2#

SW-ISCSI-2#

SW-ISCSI-2#

SW-ISCSI-2#exit

Session terminated for user admin on line vty 0 (172.30.92.31)

【別紙 6】

Dell EMC Real Time Operating System Software

Dell EMC Operating System Version: 2.0

Dell EMC Application Software Version: 9.13(0.1)

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Build Time: Tue Feb 27 09:27:11 2018

Build Path: /build/build05/SW/SRC

Dell EMC Networking OS uptime is 6 year(s), 19 week(s), 5 day(s), 14 hour(s), 57 minute(s)

System image file is "system://A"

System Type: S4048-ON

Control Processor: Intel Rangeley with 3 Gbytes (3201302528 bytes) of memory, core(s) 2.

8G bytes of boot flash memory.

1 54-port TE/FG (SK-ON)

48 Ten GigabitEthernet/IEEE 802.3 interface(s)

6 Forty GigabitEthernet/IEEE 802.3 interface(s)

SW-SERVICE-I#

SW-SERVICE-I#show inventory

System Type : S4048-ON

System Mode : 1.0

Software Version : 9.13(0.1)

Unit Type	Serial Number	Part Number	Rev	Piece Part ID	Rev	Svc Tag	Exprs	Svc Code
* 1	S4048-ON-01-FE-72	NA		0FRV58	A03	CN-0FRV58-28298-8CT-0218	A03	8LWSNK2 187 391 329 94
1	S4048-ON-PWR-AC-R	NA		0CC6XG	A00	CN-0CC6XG-28298-8CP-0099	A00	NA NA
1	S4048-ON-PWR-AC-R	NA		0CC6XG	A00	CN-0CC6XG-28298-919-0279	A00	NA NA
1	S4048-ON-FAN-R	NA		03HC75	A00	CN-03HC75-28298-8CP-0298	A00	NA NA
1	S4048-ON-FAN-R	NA		03HC75	A00	CN-03HC75-28298-8CP-0297	A00	NA NA
1	S4048-ON-FAN-R	NA		03HC75	A00	CN-03HC75-28298-8CP-0296	A00	NA NA

* - Management Unit

--More--

Software Protocol Configured

LLDP

NTP

SNMP

SW-SERVICE-1#

SW-SERVICE-1#show inventory media

Slot	Port	Type	Media	Serial Number	Dell Qualified	
1	1	SFP+	10GBASE-SR	A1BA4XG	Yes	
1	2		Media not present or accessible			
1	3	SFP+	10GBASE-SR	A1BAG6W	Yes	
1	4		Media not present or accessible			
1	5	SFP+	10GBASE-SR	A1BAG7T	Yes	
1	6		Media not present or accessible			
1	7	SFP+	10GBASE-SR	A1BAFZN	Yes	
1	8		Media not present or accessible			
1	9	SFP+	10GBASE-SR	A1BA4RC	Yes	
1	10	SFP+	10GBASE-SR	AD92HA00DY	Yes	
1	11	SFP+	10GBASE-SR	AD92HA00DB	Yes	
1	12	SFP+	10GBASE-SR	AD92HA05NC	Yes	
1	13	SFP+	10GBASE-SR	AD92HA05FD	Yes	
1	14	SFP+	10GBASE-SR	AD92HA00C8	Yes	
1	15	SFP+	10GBASE-SR	AD92HA05FA	Yes	
1	16	SFP+	10GBASE-SR	AD92HA00DD	Yes	
1	17	SFP+	10GBASE-SR	A1BAGFB	Yes	
1	18	SFP+	10GBASE-SR	A1BAFUF	Yes	
1	19	SFP+	10GBASE-SR	A1AC2V6	Yes	
--More--	1	20	SFP+	10GBASE-SR	A1BAFZR	Yes
1	21	SFP+	10GBASE-SR	AD92HA00C6	Yes	
1	22	SFP+	10GBASE-SR	AD92HA00DV	Yes	
1	23	SFP+	10GBASE-SR	AD92HA05R2	Yes	
1	24	SFP+	10GBASE-SR	AD92HA05RC	Yes	
1	25	SFP+	10GBASE-SR	AD92HA00C0	Yes	
1	26	SFP+	10GBASE-SR	AD92HA05AY	Yes	
1	27	SFP+	10GBASE-SR	AD92HA05AH	Yes	
1	28	SFP+	10GBASE-SR	AD92HA0550	Yes	
1	29	SFP+	10GBASE-SR	AD92HA05AZ	Yes	
1	30	SFP+	10GBASE-SR	AD92HA05B8	Yes	
1	31	SFP+	10GBASE-SR	AD92HA056W	Yes	
1	32	SFP+	10GBASE-SR	AD92HA05AF	Yes	
1	33	SFP	1000BASE-T	P1LBDWI	Yes	
1	34	SFP	1000BASE-T	P1LBDWD	Yes	
1	35		Media not present or accessible			
1	36		Media not present or accessible			
1	37		Media not present or accessible			

1	38				Media not present or accessible	
1	39	SFP+	10GBASE-SR	A1BAFYF		Yes
1	40	SFP+	10GBASE-SR	A1BAH4B		Yes
1	41	SFP+	10GBASE-SR	A1AC2TQ		Yes
1	42	SFP+	10GBASE-SR	A1BA58P		Yes
--More--	1	43	SFP+	10GBASE-SR	A1AC2UB	Yes
1	44	SFP+	10GBASE-SR	A1BA51W		Yes
1	45	SFP+	10GBASE-SR	A1AC2UK		Yes
1	46	SFP+	10GBASE-SR	A1AC2WD		Yes
1	47	SFP+	10GBASE-SR	A1BA3F6		Yes
1	48	SFP+	10GBASE-CU3M	CN053HVN93C50N0		Yes
1	49				Media not present or accessible	
1	50				Media not present or accessible	
1	51				Media not present or accessible	
1	52				Media not present or accessible	
1	53	QSFP	40GBASE-CR4-1M	CN05NP8R91729C5		Yes
1	54	QSFP	40GBASE-CR4-1M	CN05NP8R91729B8		Yes

SW-SERVICE-1#

SW-SERVICE-1#

SW-SERVICE-1#

SW-SERVICE-1#

SW-SERVICE-1#

SW-SERVICE-1#exit

Session terminated for user admin on line vty 0 (172.30.92.31)

【別紙 7】

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#show version

Dell EMC Real Time Operating System Software

Dell EMC Operating System Version: 2.0

Dell EMC Application Software Version: 9.13(0.1)

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Build Time: Tue Feb 27 09:27:11 2018

Build Path: /build/build05/SW/SRC

Dell EMC Networking OS uptime is 6 year(s), 19 week(s), 5 day(s), 14 hour(s), 57 minute(s)

System image file is "system://A"

System Type: S4048-ON

Control Processor: Intel Rangeley with 3 Gbytes (3201302528 bytes) of memory, core(s) 2.

8G bytes of boot flash memory.

1 54-port TE/FG (SK-ON)

48 Ten GigabitEthernet/IEEE 802.3 interface(s)

6 Forty GigabitEthernet/IEEE 802.3 interface(s)

SW-SERVICE-2#

SW-SERVICE-2#show inventory

System Type : S4048-ON

System Mode : 1.0

Software Version : 9.13(0.1)

Unit Type	Serial Number	Part Number	Rev	Piece Part ID	Rev	Svc Tag	Exprs	Svc Code
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* 1	S4048-ON-01-FE-72	NA	0FRV58	A03	CN-0FRV58-28298-8CT-0138	A03	DJWSNK2	295 021 123 22
1	S4048-ON-PWR-AC-R	NA	0CC6XG	A00	CN-0CC6XG-28298-8CP-0127	A00	NA	NA
1	S4048-ON-PWR-AC-R	NA	0CC6XG	A00	CN-0CC6XG-28298-919-0151	A00	NA	NA
1	S4048-ON-FAN-R	NA	03HC75	A00	CN-03HC75-28298-8CP-0384	A00	NA	NA
1	S4048-ON-FAN-R	NA	03HC75	A00	CN-03HC75-28298-8CP-0383	A00	NA	NA
1	S4048-ON-FAN-R	NA	03HC75	A00	CN-03HC75-28298-8CP-0382	A00	NA	NA

* - Management Unit

--More--

Software Protocol Configured

LLDP

NTP

SNMP

SW-SERVICE-2#

SW-SERVICE-2#show inventory media

Slot	Port	Type	Media	Serial Number	Dell Qualified		
1	1	SFP+	10GBASE-SR	A1BA53S	Yes		
1	2	SFP+	10GBASE-SR	A1BAA1F	Yes		
1	3	SFP+	10GBASE-SR	A1BAFZ9	Yes		
1	4	SFP+	10GBASE-SR	A1AC2UA	Yes		
1	5	SFP+	10GBASE-SR	A1BA543	Yes		
1	6	SFP+	10GBASE-SR	A1BA59H	Yes		
1	7	SFP+	10GBASE-SR	A1BAG5S	Yes		
1	8	SFP+	10GBASE-SR	A1AC2TU	Yes		
1	9	SFP+	10GBASE-SR	A1BAG6B	Yes		
1	10	SFP+	10GBASE-SR	AD92HA00DM	Yes		
1	11	SFP+	10GBASE-SR	AD92HA00F6	Yes		
1	12	SFP+	10GBASE-SR	AD92HA00CN	Yes		
1	13	SFP+	10GBASE-SR	AD92HA00C3	Yes		
1	14	SFP+	10GBASE-SR	AD92HA00DU	Yes		
1	15	SFP+	10GBASE-SR	AD92HA00DN	Yes		
1	16	SFP+	10GBASE-SR	AD92HA00DC	Yes		
1	17	SFP+	10GBASE-SR	A1BAH4E	Yes		
1	18	SFP+	10GBASE-SR	A1BA51L	Yes		
1	19	SFP+	10GBASE-SR	A1BAG6X	Yes		
--More--		1	20	SFP+	10GBASE-SR	A1BAG7U	Yes
1	21	SFP+	10GBASE-SR	AD92HA05RB	Yes		
1	22	SFP+	10GBASE-SR	AD92HA05AM	Yes		
1	23	SFP+	10GBASE-SR	AD92HA05SJ	Yes		
1	24	SFP+	10GBASE-SR	AD92HA00E8	Yes		
1	25	SFP+	10GBASE-SR	AD92HA056U	Yes		
1	26	SFP+	10GBASE-SR	AD92HA05B7	Yes		
1	27	SFP+	10GBASE-SR	AD92HA05AL	Yes		
1	28	SFP+	10GBASE-SR	AD92HA05AK	Yes		
1	29	SFP+	10GBASE-SR	AD92HA055X	Yes		
1	30	SFP+	10GBASE-SR	AD92HA05A8	Yes		
1	31	SFP+	10GBASE-SR	AD92HA05AE	Yes		
1	32	SFP+	10GBASE-SR	AD92HA05AU	Yes		
1	33	SFP	1000BASE-T	P1LBDW6	Yes		
1	34	SFP	1000BASE-T	P1LBE0F	Yes		

1	35					Media not present or accessible
1	36					Media not present or accessible
1	37					Media not present or accessible
1	38					Media not present or accessible
1	39	SFP+	10GBASE-SR	A1BAFYN		Yes
1	40	SFP+	10GBASE-SR	A1BAFYS		Yes
1	41	SFP+	10GBASE-SR	A1BAG05		Yes
1	42	SFP+	10GBASE-SR	A1BAGCY		Yes
--More--	1	43	SFP+	10GBASE-SR	A1BAH4Q	Yes
1	44	SFP+	10GBASE-SR	A1BAFYL		Yes
1	45	SFP+	10GBASE-SR	A1BA3F3		Yes
1	46	SFP+	10GBASE-SR	A1AC2U9		Yes
1	47	SFP+	10GBASE-SR	A1AC2VT		Yes
1	48	SFP+	10GBASE-CU3M	CN053HVN93C50NP		Yes
1	49					Media not present or accessible
1	50					Media not present or accessible
1	51					Media not present or accessible
1	52					Media not present or accessible
1	53	QSFP	40GBASE-CR4-1M	CN05NP8R91729C5		Yes
1	54	QSFP	40GBASE-CR4-1M	CN05NP8R91729B8		Yes

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#

SW-SERVICE-2#exit

Session terminated for user admin on line vty 0 (172.30.92.31)