付録A 仕 様

型名		Express5800/CacheServer N8100-803				
	クロックスピード	1.0BGHz				
	キャッシュメモリ	32KB(一次)+256KB(二次)				
	標準	1個				
	最大	1個				
チップセット		VIA Apollo Pro 133A				
メモリ	標準	512MB				
	メモリモシ゛ュール	SDRAM DIMM				
	誤り検出・訂正機能	あり(ECC)				
ハードディスク	7	36.2GB(18.1GB×2)				
インタフェース	LAN	100Base-TX/10BASE-T×2				
	SCSI	1チャネル(Ultra160対応)				
	IDE	1チャネル(CD-ROMドライブ用)				
フロッピーディスクドライブ		3.5インチ×1(1.44MB対応)				
CD-ROMドラ	イブ	10~24倍速以上(ATAPI、トレーロード式)				
外部用	シリアル	D-sub 9-pin(RS-232C規格準拠)×2				
インタフェース	ネットワーク	RJ-45×1				
筺体デザイン		ラックマウントモデル(1U)				
外形寸法		422mm(幅)×427mm*(奥行き)×42.5mm(高さ) * フロントペゼル取り付け時は470mm				
質量(最大)		9kg				
電源		AC100V±10%, 50/60Hz±1Hz				
消費電力		153VA、150W				
環境条件		温度:10~35℃、湿度:20~80%(ただし、結露しないこと)				

付録B 保守サービス会社網一覧

NEC Express5800シリーズ、および関連製品のアフターサービスは、お買い上げのNEC販売店、最寄りのNEC、またはNECフィールディング株式会社までお問い合わせください。下記にNECフィールディングのサービス拠点所在地一覧を示します。

(受付時間: AM9:00~PM5:00 土曜日、日曜日、祝祭日を除く)

次のホームページにも最新の情報が記載されています。

http://www.fielding.co.jp/

このほか、NEC販売店のサービス網がございます。お買い上げの販売店にお問い合わせください。

2001年5月現在

都道府県名	拠点名	電話番号	郵便番号	所在地		
北海道	札幌支店	011-221-3705	060-0042	北海道札幌市中央区大通西4-1 新大通ビル9F		
	新札幌支店	011-894-1131	004-0041	北海道札幌市厚別区大谷地東4-2-20 第二西村ビル1F		
	釧路営業所	0154-43-2361	085-0847	北海道釧路市大町1-1-1 道東経済センタービル7F		
	旭川支店	0166-24-2098	070-0033	北海道旭川市南三条通9丁目左1号 明治生命旭川ビル1F		
	オホーツク営業所	0157-25-7520	090-0024	北海道北見市北四条東3-1-1 富士火災北見ビル3F		
	苫小牧営業所	0144-36-3846	053-0022	北海道苫小牧市王子町3-2-23 朝日生命苫小牧ビル2F		
	室蘭営業所	0143-46-3180	050-0083	北海道室蘭市東町2-24-4 石井第5ビル3F		
	函館支店	0138-54-5642	040-0001	北海道函館市五稜郭町1-14 住友生命五稜郭ビル3F		
	帯広営業所	0155-25-4892	080-0013	北海道帯広市西三条南10-32 日本生命帯広駅前ビル5F		
	小樽営業所	0134-24-5685	047-0036	北海道小樽市長橋3-4-14		
青森	青森支店	017-739-8501	030-0112	青森県青森市八ツ役字芦谷208-25 NECソフトウェア青森本社ピル1F		
	八戸営業所	0178-44-4354	031-0081	青森県八戸市柏崎1-10-2 八戸第一生命ビル1F		
	弘前営業所	0172-34-9083	036-8001	青森県弘前市代官町38 安田生命弘前ビル1・2F		
岩手	盛岡支店	019-635-3011	020-0866	岩手県盛岡市本宮3-13-20		
	一関営業所	0191-21-5506	021-0031	岩手県一関市青葉1-6-4 シャトレー壱號館1F		
宮城	仙台支店	022-262-3445	980-0811	宮城県仙台市青葉区一番町4-7-17 小田急不動産仙台ピル6F		
秋田	秋田支店	018-863-7938	010-0951	秋田県秋田市山王1-3-29		
山形	山形支店	023-631-3502	990-2445	山形県山形市南栄町3-6-1		
	鶴岡営業所	0235-24-6973	997-0031	山形県鶴岡市大宝寺町1-30		
	米沢営業所	0238-21-1281	992-0027	山形県米沢市駅前3-5-22 かなつビル1F		
福島	郡山支店	024-938-5209	963-8022	福島県郡山市西ノ内22-13		
	福島支店	024-536-3662	960-8131	福島県福島市北五老内町7-5 I・S・M37ビル5F		
	いわき営業所	0246-29-5301	970-8034	福島県いわき市平上荒川字桜町34-1		
	会津若松営業所	0242-29-3699	965-0818	福島県会津若松市東千石2-1-45		
茨城	鹿島支店	0299-82-4860	314-0014	茨城県鹿嶋市光3 住友金属構内		
	つくば支店	0298-37-1620	305-0853	茨城県つくば市榎戸783-12 沼尻産業ビル1F		
	古河営業所	0280-31-4165	306-0235	茨城県猿島郡総和町大字下辺見2075-18 アメニティビル1F		
	水戸支店	029-257-1860	310-0911	茨城県水戸市見和3-575-3		
栃木	宇都宮支店	028-632-8140	321-0954	栃木県宇都宮市元今泉2-7-6		
	小山営業所	0285-21-1495	323-0807	栃木県小山市城東1-14-12 ウエルストン1ビル1F		
群馬	群馬支店	027-243-6316	371-0026	群馬県前橋市大手町2-6-20 安田生命前橋ビル5F		
	高崎営業所	027-365-3500	370-0073	群馬県高崎市緑町1-22-5		
	太田支店	0276-45-0666	373-0853	群馬県太田市浜町58-24		
埼玉	大宮支店	048-660-1881	330-0038	埼玉県さいたま市宮原町2-85-5		
	熊谷営業所	048-527-0597	360-0036	埼玉県熊谷市桜木町1-1-1 秩父鉄道熊谷ビル4F		
	浦和支店	048-866-5471	336-0022	埼玉県さいたま市白幡4-12-19		
	川口営業所	048-225-6722	332-0012	埼玉県川口市本町4-3-2 住友生命川口ビル5F		
	川越支店	042-955-7695	350-1331	埼玉県狭山市新狭山2-11-10		
	越谷営業所	0489-78-9500	343-0042	埼玉県越谷市千間台東1-7-25 エムケービル1F		

都道府県名	拠点名	電話番号	郵便番号	所在地	
千葉	千葉支店	043-252-4309	260-0043	千葉県千葉市中央区弁天町250-1 白樺ビル4F	
	成田営業所	0476-22-5390	286-0044	千葉県成田市不動ヶ岡2152-2 成田旭ビル1F	
	君津営業所	0439-55-7278	299-1144	千葉県君津市東坂田1-3-2 京葉君津ビル3F	
	船橋支店	047-434-1611	273-0012	千葉県船橋市浜町2-1-1 ららぽーと三井ビル1F	
	柏営業所	0471-35-2400	277-0827	千葉県柏市松葉町2-5-1	
東京	東京中央支店	03-3456-5213	108-0073	東京都港区三田1-4-28 三田国際ビル1F	
	大森支店	03-3764-0007	140-0013	東京都品川区南大井6-25-3 ビリーヴ大森ビル8F	
	五反田支店	03-3443-7905	141-0022	東京都品川区東五反田5-25-16 朝日生命五反田ビル1F	
	新橋支店	03-3431-9868	105-0021	東京都港区東新橋2-12-7 住友東新橋ビル2号館3F	
	赤坂支店	03-5413-1701	107-0052	東京都港区赤坂4-9-6 タク赤坂ビル2F	
	三田支店	03-3452-6168	108-0073	東京都港区三田1-4-28 三田国際ビル1F	
	渋谷支店	03-5458-3341	150-0036	東京都渋谷区南平台町2-17 日交渋谷南平台ビル8F	
	新宿支店	03-3352-8071	160-0022	東京都新宿区新宿4-2-18 新宿光風ビル3F	
	池袋支店	03-3985-3194	170-0013	東京都豊島区東池袋1-32-7 三井生命池袋ビル4F	
	日本橋支店	03-3297-0783	104-0033	東京都中央区新川1-11-11 新川東邦ビル3F	
	江東支店	03-3649-3230	135-0016	東京都江東区東陽3-27-32 玉河ビル5F	
	秋葉原支店	03-5821-2474	111-0052	東京都台東区柳橋2-19-6 秀和柳橋ビル8F	
	足立営業所	03-3888-7151	120-0034	東京都足立区千住1-11-2 第百生命千住ビル7F	
	神田支店	03-3233-2411	101-0064	東京都千代田区猿楽町2-7-8 住友水道橋ビル8F	
	府中支店	042-362-6833	183-0036	東京都府中市日新町1-4-5 第六MKビル1F	
	立川支店	042-527-2527	190-0022	東京都立川市錦町2-4-6 住友生命立川ビル3F	
	小金井支店	042-385-7666	184-0013	東京都小金井市前原町5-9-7	
神奈川	神奈川支店	045-314-7621	220-0004	神奈川県横浜市西区北幸2-8-4 横浜西口KNビル1F	
	横須賀営業所	0468-27-3188	238-0004	神奈川県横須賀市小川町14-1 ニッセイ横須賀センタービル1F	
	川崎営業所	044-244-1083	210-0023	神奈川県川崎市川崎区小川町11-10 第10平沼ビル5F	
	相模原支店	042-746-6111	228-0803	神奈川県相模原市相模大野7-1-6 相模大野第一生命ビル4F	
	厚木支店	046-225-0411	243-0032	神奈川県厚木市恩名900-4	
	平塚支店	0463-21-4777	254-0035	神奈川県平塚市宮の前1-2 大東京火災ビル2F	
	藤沢営業所	0466-22-0204	251-0055	神奈川県藤沢市南藤沢17-10 コア湘南田村ビル1 F	
	小田原営業所	0465-35-9578	250-0042	神奈川県小田原市荻窪362 第二オギクボビル1F	
	玉川支店	044-814-1551	213-0002	神奈川県川崎市高津区二子5-1-1 高津パークブラザビル4F	
新潟	新潟支店	025-243-2315	950-0983	新潟県新潟市神道寺275-3	
	長岡支店	0258-35-5217	940-0034	新潟県長岡市福住2-3-6 小林石油ビル	
	柏崎営業所	0257-22-2362	945-0833	新潟県柏崎市若葉町2-22 柏崎情報開発センター2F	
富山	富山支店	076-442-2605	930-0004	富山県富山市桜橋通り1-18 住友生命富山ビル1F	
	黒部営業所	0765-54-0447	938-0031	富山県黒部市三日市字新光寺1880-1	
	高岡営業所	0766-25-4212	933-0912	富山県高岡市丸の内1-40 高岡商工ビル8F	
石川	金沢支店	076-223-3188	920-0864	石川県金沢市高岡町1-39 住友生命金沢高岡町ビル7F	
	小松営業所	0761-24-3782	923-0926	石川県小松市竜助町36 小松東京海上ビル3F	
	七尾営業所	0767-54-0298	926-0012	石川県七尾市相生町45	
福井	福井支店	0776-54-6637	918-8206	福井県福井市北四ツ居518	
山梨	甲府支店	055-226-7564	400-0858	山梨県甲府市相生2-3-16 住友海上甲府ビル3F	
	富士吉田営業所	0555-23-9515	403-0005	山梨県富士吉田市上吉田3726 ヤマナシ文具センタービル2F	
長野	松本支店	0263-27-7070	399-0033	長野県松本市笹賀6096-1	
	岡谷営業所	0266-24-4870	394-0028	長野県岡谷市本町4-5-18	
	長野支店	026-224-0050	380-0824	長野県長野市南石堂町1293 清水長野ビル1F	
	上田営業所	0268-27-6336	386-0032	長野県上田市諏訪形5-1 豊成ビル5F	
	飯田営業所	0265-53-7043	395-0815	長野県飯田市松尾常盤台73-10	
岐阜	東濃営業所	0572-55-4578	509-5132	岐阜県土岐市泉町大富261-8	
	岐阜支店	058-275-8801	500-8367	岐阜県岐阜市宇佐南3-4-7	
	高山営業所	0577-33-6524	506-0021	岐阜県高山市名田町5-95-2 第3みたかビル5F	
	中濃営業所	0574-27-6431	505-0041	岐阜県美濃加茂市太田町飛鹿1927-2	
		:			

都道府県名	拠点名	電話番号	郵便番号	所在地		
静岡	静岡支店	054-251-4688	420-0851	静岡県静岡市黒金町3 NEC静岡ビル5F		
	富士営業所	0545-64-6735	416-0944	静岡県富士市横割1-17-24 FCビル2F		
	沼津支店	0559-73-6001	411-0906	静岡県駿東郡清水町八幡88-1		
	浜松支店	053-466-0205	435-0047	静岡県浜松市原島町111		
	掛川営業所	0537-23-2181	436-0056	静岡県掛川市中央1-4-2 タウンビル3F		
愛知	名古屋支店	052-264-7561	460-0007	愛知県名古屋市中区新栄2-28-22 NEC名古屋ビル5F		
	名西営業所	052-442-7451	490-1111	愛知県海部郡甚目寺町大字甚目寺字山王22 (株) シーエスイー山王ビル		
	名南支店	052-694-1066	457-0862	愛知県名古屋市南区内田橋1-8-5 アートライフ・タケセイ1F		
	半田営業所	0569-22-2762	475-0903	愛知県半田市出口町1-130-1 森田ビル4F		
	小牧支店	0568-75-5594	485-0029	愛知県小牧市中央1-271 大垣共立銀行小牧支店ビル4F		
	豊田営業所	0565-34-1168	471-0034	愛知県豊田市小坂本町1-5-3 朝日生命新豊田ビル4F		
	三河支店	0564-23-5020	444-0044	愛知県岡崎市康生通南3-5 住友生命岡崎第二ビル1F		
	豊橋北営業所	0532-55-3063	440-0084	愛知県豊橋市下地町瀬上83番地		
三重	三重支店	0593-51-0425	510-0074	三重県四日市市鵜の森1-5-16 第百生命四日市ビル6F		
	津営業所	059-227-1622	514-0028	三重県津市東丸之内33-1 津フェニックスビル4F		
	松阪営業所	0598-51-6185	515-0002	三重県松阪市郷津町234-1		
	伊賀上野営業所	0595-23-8914	518-0873	三重県上野市丸之内128 共立ビル2F		
滋賀	滋賀支店	077-525-3156	520-0043	滋賀県大津市中央4-5-4 BKビル		
	彦根営業所	0749-24-1784	522-0073	滋賀県彦根市旭町8-20		
	八日市営業所	0748-25-0680	527-0022	滋賀県八日市市上之町2-7 ウイング八日市3F		
京都	京都支店	075-812-5800	604-8804	京都府京都市中京区壬生坊城町24-1 古川勘ビル4F		
	宇治営業所	0774-20-1210	611-0042	京都府宇治市小倉町久保111-1 辻岩ビル新館4F		
	福知山支店	0773-23-6287	620-0942	京都府福知山市字天田288 竹下駅南ビル2F		
	舞鶴営業所	0773-63-7236	625-0036	京都府舞鶴市字浜160 スクウェアービル大門3F		
	亀岡営業所	0771-25-7320	621-0805	京都府亀岡市安町中畠1-2 スカイビル5F		
大阪	大阪中央支店	06-6264-2820	541-0053	大阪府大阪市中央区本町2-1-6 堺筋本町センタービル5F		
	寝屋川営業所	072-833-5284	573-0094	大阪府枚方市南中振1-16-27 宅建ハウジングビル6F		
	此花営業所	06-6463-7871	553-0005	大阪府大阪市福島区野田2-13-5 うおいちニッセイビル6F		
	淀川支店	06-6305-5444	532-0011	大阪府大阪市淀川区西中島1-11-16 住友商事淀川ピル2F		
	北摂営業所	0726-73-5481	569-0071	大阪府高槻市城北町1-5-25 高槻FJYビル1F		
	千里支店	06-6835-0017	565-0082	大阪府豊中市新千里東町1-2-4 信用保証ビル7F		
	東大阪支店	0729-24-6780	581-0803	大阪府八尾市光町1-61 嶋野・住友生命ビル7F		
	堺支店	0722-23-8595	590-0026	大阪府堺市向陵西町2-1-24		
	泉南営業所	0724-63-2190	598-0012	大阪府泉佐野市高松東1-10-37 泉佐野センタービル8F		
兵庫	豊岡営業所	0796-24-0331	668-0043	兵庫県豊岡市桜町15-1 幸栄ビル1F		
	神戸支店	078-332-5431	650-0031	兵庫県神戸市中央区東町126 神戸シルクセンタービル3F		
	姫路支店	0792-89-2684	670-0947	兵庫県姫路市北条宮の町113		
	神戸西営業所	078-914-0550	673-0898	兵庫県明石市樽屋町1-29 日工・住生ビル2F		
	阪神支店	06-6482-2315	660-0892	兵庫県尼崎市東灘波町5-17-23 住友生命尼崎ビル1F		
奈良	奈良支店	0742-36-1161	630-8115	奈良県奈良市法華寺町219-1		
	橿原営業所	0744-23-6240	634-0813	奈良県橿原市四条町277-1 シェ・ホーム・ヤマ2F		
和歌山	和歌山支店	073-428-3222	640-8154	和歌山県和歌山市六番丁5 和歌山第一生命ビル		
鳥取	鳥取営業所	0857-28-6068	680-0911	鳥取県鳥取市千代水4-97		
	米子営業所	0859-22-8280	683-0044	鳥取県米子市大工町33-32 米子ISビル3F		
島根	山陰支店	0852-21-0988	690-0825	島根県松江市学園1-18-5		
	出雲営業所	0853-25-1013	693-0005	島根県出雲市天神町869 天神ビル1F		
	浜田営業所	0855-22-6092	697-0006	島根県浜田市下府町323-5 日興興産ビル3F		
岡山	岡山支店	086-232-7232	700-0826	岡山県岡山市磨屋町1-6 住友生命岡山磨屋町ビル5F		
, ,,,,	倉敷営業所	086-426-1371	710-0057	岡山県倉敷市昭和2-4-6 住友生命倉敷ビル2F		
	津山営業所	0868-28-2649	708-0872	岡山県津山市平福181-15		
				カワシマ商事(株)本社ビル3F		

都道府県名	拠点名	電話番号	郵便番号	所在地		
広島	広島支店	082-248-9898	730-0042	広島県広島市中区国泰寺町2-5-11 西橋屋ビル4F		
	呉営業所	0823-21-5129	737-0051	広島県呉市中央1-6-9 日本団体生命ビル6F		
	東広島営業所	0824-22-6411	739-0003	広島県東広島市西条町大字土与丸441-1		
	三次営業所	0824-63-3186	728-0013	広島県三次市十日市東6-13-14		
	福山支店	0849-31-8907	720-0973	広島県福山市南蔵王町3-13-12		
	備後府中営業所	0847-46-4835	726-0003	広島県府中市元町475-1 カルチャープラザ4F		
	尾道営業所	0848-22-3736	722-0037	広島県尾道市西御所町14-15 第六堀田ビル4F		
ШΟ	山口支店	083-973-1858	754-0011	山口県吉敷郡小郡町御幸町4-9 山陽ビル小郡1F		
	徳山営業所	0834-31-4114	745-0063	山□県徳山市今住町18		
	岩国営業所	0827-22-9534	740-0018	山口県岩国市麻里布町1-5-26 岩国通運ビル2F		
	宇部営業所	0836-33-5120	755-0043	山口県宇部市相生町8-1 宇部興産ビル10F		
	下関営業所	0832-53-3230	751-0853	山口県下関市川中豊町2-6-36		
	萩営業所	0838-22-7472	758-0022	山口県萩市浜崎町121-1 Kビル2F		
徳島	徳島支店	088-622-1270	770-0852	徳島県徳島市徳島町2-19-1 千代田火災徳島ビル4F		
香川	高松支店	087-833-1708	760-0008	香川県高松市中野町29-2 NEC四国ビル7F		
	丸亀営業所	0877-23-8563	763-0034	香川県丸亀市大手町3-5-18 協栄生命丸亀ビル7F		
愛媛	松山支店	089-945-4145	790-0878	愛媛県松山市勝山町1-19-3 青木第一ビル5 F		
	南予営業所	0894-24-6158	796-0010	愛媛県八幡浜市大字松柏丙804-2 宇和島自動車八幡浜駅前ピル2F		
	宇和島営業所	0895-25-1000	798-0032	愛媛県宇和島市恵美須町2-4-14 井上ビル		
	今治営業所	0898-31-5741	794-0043	愛媛県今治市南宝来町1-7-7 住友海上今治ビル2F		
	新居浜支店	0897-34-4774	792-0003	愛媛県新居浜市新田町3-2 住友商事新居浜ビル5F		
	伊予三島営業所	0896-24-3855	799-0404	愛媛県伊予三島市宮川3-5-25 ホワイトヴィラ1F		
高知	高知支店	088-883-8884	780-0872	高知県高知市杉井流70-5 マノワール杉井流		
福岡	福岡支店	092-472-2853	812-0004	福岡県福岡市博多区榎田2-3-27 STS第二ビル3F		
	福岡中央営業所	092-472-2853	812-0004	福岡県福岡市博多区榎田2-3-27 STS第二ビル3F		
	博多営業所	092-472-2853	812-0004	福岡県福岡市博多区榎田2-3-27 STS第二ビル3F		
	福岡東営業所	092-472-2853	812-0004	福岡県福岡市博多区榎田2-3-27 STS第二ビル3F		
	北九州支店	093-522-0581	802-0081	福岡県北九州市小倉北区砂津1-5-34 小倉興産23号館4F		
	飯塚営業所	0948-24-0919	820-0005	福岡県飯塚市新飯塚13-11 北代ビル2F		
	久留米支店	0942-44-5298	839-0807	福岡県久留米市東合川町2-4-29		
	大牟田営業所	0944-51-2655	836-0843	福岡県大牟田市不知火町2-7-1 中島物産ビル5F		
佐賀	佐賀支店	0952-31-9301	849-0937	佐賀県佐賀市鍋島3-2-19		
長崎	佐賀西営業所	0954-22-6567	843-0022	佐賀県武雄市武雄町大字武雄5014-1 東洋リーセントビル5F		
	長崎支店	095-838-4442	850-0134	長崎県長崎市田中町586-6		
	佐世保営業所	0956-22-2779	857-0043	長崎県佐世保市天満町3-23		
	諫早営業所	0957-23-0471	854-0016	長崎県諫早市高城町5-15 諫早商工会館5F		
熊本	熊本支店	096-383-6777	862-0925	熊本県熊本市保田窪本町1-40		
大分	大分支店	097-503-2555	870-0921	大分県大分市萩原4-9-65		
	中津営業所	0979-23-1182	871-0058	大分県中津市豊田町2-423-10 日本団体生命中津ビル5F		
宮崎	宮崎支店	0985-27-4477	880-0806	宮崎県宮崎市広島1-18-7 大同生命宮崎ビル9F		
	延岡営業所	0982-35-7545	882-0872	宮崎県延岡市愛宕町2-1-12 センコービルディング5F		
	都城営業所	0986-23-4821	885-0021	宮崎県都城市平江町13街区15 富士火災海上保険ビル3F		
	鹿児島支店	099-285-2266	890-0062	鹿児島県鹿児島市与次郎2-4-35 KSC鴨池ビル1F		
鹿児島	出水営業所	0996-62-8922	899-0202	鹿児島県出水市昭和町13-1 第二丸久ビル2F		
沖縄	沖縄支店	098-876-2788	901-2132	沖縄県浦添市伊祖2-7-11		



用語解説

CacheServerソフトウェアに関する用語について解説します。

anonymous FTP

FTP(File Transfer Protocol)の利用方法のひとつで、FTPサーバをインターネット上で公開し、誰でも使用できるようにしたもの。利用者は特定のアカウントを持たない匿名でもサーバにアクセスすることができる。

BIOS(Basic Input/Basic Output)

基本的な入出力を行うプログラムのこと。

CGI(Common Gateway interface)

WebサーバのHTML文書から外部プログラムを呼び出すための仕掛け。Webサーバ機能をさまざまな用途に拡張できる。

DHCP(Dynamic Host Configuration Protocol)

ネットワークに接続された各端末はIPアドレス、DNSサーバなど、各種の設定を行う必要がある。

これらに関する情報をDHCPサーバに登録しておくと、LANポートに接続された機器の設定をDHCPサーバが自動的に行う。

DNS(Domain Name System)

ネットワーク上のマシンの名前とIPアドレスを相互に変換するシステム。

覚えにくいIPアドレスを使わずに、マシン名であるドメイン名(例えばwww.nec.co.jp)を使って通信を可能にする。

DNSソフトウェアはネームサーバとリゾルバと呼ばれる二つの機能を持つ。

ネームサーバは、ドメインネームとIPアドレス を管理するデータベースにアクセスし、マシン 名とIPアドレスを変換する機能を持つ。

リゾルバはクライアントの要求に応じて、ネームサーバに問い合わせを行う機能である。代表的なDNSソフトウェアに、BINDがある。

Ethernet(→「イーサネット」)

FQDN(Fully Qualified Domain Name)

TCP/IPネットワーク上で、ドメイン名やサブドメイン名、ホスト名を省略せずにすべて指定した記述形式のこと。

FTP(File Transfer Protocol)

TCP/IPネットワークでファイルを転送するために使われるプロトコル、またはプログラムを指す。FTPでファイルを転送するには、通常はユーザー名とパスワードが必要であるが、anonymous(匿名の意味)というユーザ名で、誰でも使用できるFTPサーバもあり、これは、anonymous FTPサーバと呼ばれる。

HTML(Hyper Text Markup Language)

Webサーバで公開する情報を記述するための言語。文字や画像を結び合わせたハイパーテキスト文書を作成できる。

HTMLを記述するには、文書の論理構造を、タグと呼ぶ記号を使って示さなければならないが、現在はHTMLを簡単に作成するツールが数多く存在している。Webブラウザは、Webサーバ上にあるHTMLファイルを実際に表示するソフトウェアである。Webサーバにアクセスするには、URL(ユニフォームリソースロケータ)、例えば「http://www.nec.co.jp/」を指定する。

HTTP(Hyper Text Transfer Protocol)

WebサーバとWebブラウザがファイルなどの情報をやり取りするためのプロトコル。

IP(Internet Protocol)

ネットワーク間でのデータの中継経路を決定するためのプロトコル。通信プロトコルの体系において、TCPとIPは非常に重要なので、これら二つを合わせてTCP/IPとも呼ばれる。

IP(Internet Protocol)アドレス

TCP/IP通信においてネットワーク上の各端末の位置を特定するために使用される32ビットのアドレス。通常は8ビットずつ4つに区切って0~255.0~255.0~255という10進数の数字列で表される。ルータはIPアドレスを複数持つ。

例) 130.158.60.5

LAN(Local Area Network)

同一フロアーや敷地内の比較的小さな規模の ネットワークのことをいう。

Linux

Linus Torvalds氏を中心に、世界中の開発者がインターネットを利用して、相互に協力しながら開発・保守しているUNIX互換OS。

Management Console

CacheServerで使用するWebブラウザによるシステム設定ツールの名称。Web-based Management Consoleの略称としてWbMCと表記することもある。

MIME(Multipurpose Internet Mail Extention)

インターネットを介してさまざまなデータを送るための拡張仕様。

PING(Packet InterNet Groper)

ある端末から他の端末への接続が正常に行える かどうかを試験するプログラム。

POP(Post Office Protocol)

TCP/IPのアプリケーションプロトコルの一つで、クライアントがサーバからメールを取得するときに用いられるプロトコル。

SMTP(Simple Mail Transfer Protocol)

TCP/IPのアプリケーションプロトコルの一つで、電子メールの配送のためのプロトコル。

SSL(Secure Socket Laver)

Webサーバが信頼できるものかの認証を行ったり、Webブラウザのフォームから送信する情報を暗号化するために用いられる技術。SSLを用いるには、Webサーバに秘密鍵と証明書を設定する必要がある。証明書はベリサインなどの認証局に署名してもらうものと、自己署名のものがあるが、前者を用いるとサーバ認証と暗号化が、後者を用いると暗号化のみが有効になる。

TCP(Transmission Control Protocol)

事実上インターネット標準となっているTCP/IPプロトコルの基礎をなすプロトコル。IPの上位プロトコルとして位置づけられ、IPがコネクションレス型の配送サービスだけを提供するのに対して、TCPはコネクション型の配送サービスを提供する。

TCP/IP(Transmission Control Protocol/Internet Protocol)

インターネットの標準通信プロトコル。TCPをIPはそれぞれ固有のプロトコル名だが、一般にUDP(User Datagram Protocol)などを含めたプロトコル群をTCP/IPと総称することが多い。TCPを使う代表的なネットワーク機能には、HTTP、FTPなどがある。UDPを使う代表的なネットワーク機能には、DNSなどがある。

イーサネット(Ethernet)

米ゼロックス社、米DEC社、米インテル社の3 社が共同開発したLANの名称。

インターネット

ほぼ全世界にまたがるコンピュータネットワークの集合体。元々は、UNIXのLANを相互接続することで形成されたきた。現在ではパソコンLANとも接続しており、巨大な通信インフラとなった。

インターネットへの接続には、専用線によるIP接続、ダイヤルアップ接続などの方法がある。

イントラネット

インターネットの技術を企業内の通信基盤に取り入れた形態。

クライアント

ネットワークにおいてサーバに対し、情報の提供などの何らかのサービスを要求し、その返答を受ける機器またはアプリケーションの総称。

サーバ

ネットワークにおいてクライアントに対し、何らかのサービスを提供する機器のことをいう。 提供するサービスごとに、ファイルサーバ、 DNSサーバといった名称で呼ばれる。

サブネット

IPアドレスの範囲内で管理者は自分の管理する ネットワークをサブネットマスクを使用して、 いくつかの小ネットワークに分割することがで きる。こうしてできた小ネットワークを、サブ ネットと呼ぶ。

サブネットマスク

システム運用管理

構築したシステムが円滑に稼働するよう継続的 に保守を行っていくこと。

ハードやソフトの障害を検出して復旧する障害対策、ハードの配置やディスクの空き容量を管理する構成管理、トラフィックやプロセスの使用率を管理する性能管理、パスワードやアクセス権を制御するセキュリティ管理などがある。

デフォルトゲートウェイ

IPパケットを他のネットワークへ転送するときに使用する回送先。接続しているネットワーク上にないホスト(ルータを超えた他のホスト)とのデータの送受信をする際に複雑な経路制御を特定のホストに任せる方式において「特定のホスト」のことをデフォルトゲートウェイと呼ぶ。

ドメイン

大規模なネットワークを論理的なグループに分割して、個々のコンピュータやユーザーを識別・管理するための概念。

インターネットの世界では、IPアドレスに対応して付けられる名前の範囲をドメインと呼ぶ。IPアドレスとドメイン名はDNSサーバが対応づける。LAN/WANの世界では、Windows NTサーバなどのネットワーク管理単位をドメインと呼ぶ。

ネームサーバ

ネットワーク内でユーザー名やコンピュータ名 に関する情報を提供するサーバ。代表的なもの としてDNSサーバなどがある。

パケット

LANや通信回線を介して、デジタルデータを伝送する際に、データをある一定長の固まりに区切って、宛先などの情報を加えたもの。

パケットフィルタリング

パケットに含まれた送信元などの情報を基に、 そのパケットを通過させてよいかどうかの選別 を行うセキュリティの手段。

ファイアウォール

インターネットとLANとの間に配置することでデータ通信を管理し、外部からの不正アクセスから内部のネットワークを保護するシステムや役割をさす。

ブラウザ

複数のデータやファイルを整理して表示し、そこからユーザが必要な情報を選択できるようにするソフトウェアの総称。

プロキシ

インターネット環境で、クライアントからの要求を受けると、クライアントに代わってサーバにアクセスし、サーバから受け取ったデータをクライアントに転送するソフトウェア。

クライアントが気が付かずに動作する場合を特に、透過プロキシと呼ぶ。

セキュリティの向上と、ネットワーク負荷の集中を避ける(キャッシング機能の)ために使用される。

プロトコル

ネットワークを介してデータを交換するための 取り決め。通信規約。

通信ケーブルの種類などの物理的な規定から、 アプリケーションプログラムへのデータの受け 渡し方法の規定まで、さまざまなレベルのプロ トコルがある。

プロバイダ

商用インターネット接続サービス業者のこと。 正式には、インターネットサービスプロバイダ (ISP)。

ポート番号

TCPやUDPで通信相手を特定するために用いられる識別子。

ホスト名

ネットワーク全体の管理、または制御を行うコンピュータに付けられた名前。

ルータ

複数のネットワークを相互に接続するための通信装置の一つ。

インターネットはTCP/IPを使うネットワーク 同士がルータで結ばれた巨大なネットワークで ある。

索引

数字

100TXランプ <u>11</u>, <u>13</u> 3.5インチフロッピーディスクドラ イブ <u>10</u> 58番街 218

Α

ACT/LINKランプ 10, 11, 13

В

BIOS <u>188</u> 操作手順 <u>190</u> BIOS設定値のリロード <u>212</u>

C

D

DCスイッチ機能 <u>191</u> DIMM <u>185</u> DIMMボード <u>11</u> DISK ACCESSランプ <u>10</u>, <u>12</u> DNS <u>58</u> DNSサーバの設定 <u>43</u> DNS名 58 DNSリトライ <u>63</u> DUMPスイッチ 10

ESMPRO/ServerAgent

DCスイッチ監視 161

Ε

ESMPRO 9

ESMagntconf 149 ESMamsadm 149 OSストール監視 <u>159</u> portmap 146 Syslog設定 172 ucd-snmp 146 アクセス 149 アンインストール 148 インストール 146 エージェントイベント設定 170 オフライン保守ユーティリティ 連携 160 温度監視 157 監視機能 150 シャットダウン開始までの時間 設定 164 シャットダウン監視 160 ストレージ監視 152 制限事項 145 セットアップ 150, 162 全般プロパティ 150 注意事項 145 通報先リストの設定 165 通報設定機能 162 ディスクアレイ監視 156 電圧監視 158 動作環境 145 ネットワーク(LAN)監視 <u>155</u> ファイルシステム監視 154 マネージャ通報(SNMP) 163 マネージャ通報(TCP_IP In-Band) 164 マネージャ通報(TCP_IP Out-Band) 164

ESMPRO/ServerManager CLUSTERPRO 138 DHCP <u>141</u> DMIイベント 139 DMIエージェント 144 ESMPROユーザーグループ 130, 144 MIFグループ 140 SNMPトラップ 142 アンインストール 134 インストール 132 セキュリティ 130, 137 ディスク容量 130 動作環境 129 ネットワークサービスの設定 130 パケットの送受信 142 補足説明 136 レジストリサイズ 131

F

FirewallServer $\underline{3}$ Forwardプロキシ $\underline{56}$ FTPのパスワード $\underline{63}$

Η

HASH <u>57</u> HTTPポート <u>61</u>

ICPポート <u>61</u>, <u>57</u>, <u>58</u> IDE <u>219</u> Install Menu <u>115</u>, <u>206</u> Interscan <u>76</u> IPアドレス <u>43</u> IPフィルタリング <u>6</u>

SmartFilter 78 オフライン保守ユーティリティ L 46, 116 SNMP 83 親プロキシ 60 L4スイッチ 7 STATUSランプ 10, 12 オンラインアップデート 85 LAN 219 LANコネクタ 11 Т LDAP 74 力 LoadBalancer 3 telnet 84 外形寸法 219 各種BIOS/FWのアップデート 114 U M 各部の名称 10 MailWebServer 3 UIDスイッチ 10 簡易ルータ 96 管理者パスワード 91 mainte 95 UIDランプ 10, 11, 12 キースロット 10 Management Console 52 URLフィルタリング 6 アクセス方法 53 記号 iv, xvi 機能 10 Management Workstation V Application 120 キャッシュサイズ 62 MWA 120 キャッシュメモリ 219 Viaヘッダ 63 強制電源切断 23 クライアントIP 62 N W クライアントPC 40 NECフィールディング(株) WCCP 57 クライアント接続維持 62 218, 220 クリーニング 197 Webサーバ 59 ntpd 82 Webサーバ接続維持時間 62 警告ラベル xii WPADサーバ 84 故障かな?と思ったときは 195 P コネクタ COM1 11 ァ PCI 219 LAN 11 POWERスイッチ 10, 15, 191 アクセス制御 64 電源 11 POWERランプ 10, 11, 12 アクセスランプ 13 コミュニティ 83 アクセスログ取得 92 コンフィグレーションジャンパス R イッチ 207 アクセスログのフォーマット 94 アップデートモジュール 86 Radius 74 アラートの確認 196 サ Read要求 62 安全上のご注意 v Reverseプロキシ 58 サービス 81 安全にかかわる表示 iii 再インストール 49 イジェクトボタン 10 S 再起動 23 移動 213 再購入 xvi インターネットアプライアンスサー Samba 98 再セットアップ 48 バ 2 SCSIコントローラボード 11 インタフェース 219 サブネットマスク 43 SCSIハードディスク 11 サポートディスクの作成 112 運用管理 6 SETUP 運用時の操作 14 時刻調整 82 画面の説明 189 エクスプレス受付センター 218 システム 88 **+**− 189 エマージェンシーホール 10, 21 システム情報のバックアップ 46 起動 188

オプション 180

オプションサービス 217

システム診断 118

システムの拡張 179

終了方法 192

操作手順 190

システムの管理 51 システムの再起動 88 システムの停止 88 システムマネージメント機能 114 知っておきたいこと 1 質量 219 手動インストール 87 仕様 219 使用上のご注意 iii 障害時の対処 199 ナ 詳細設定 62 状態 89 譲渡 xviii 消費電力 219 情報サービス 218 初期導入設定ツール 41 初期導入設定用ディスク 8,41 シリアルポート2コネクタ 10 スイッチ DUMP 10 POWER 15, 191 八 UID 10 スケジュールダウンロード 6,70 216 ステータスランプの確認 196 寸法 219 静電気対策 181 セカンダリネームサーバ 43 セキュリティキー 14 セキュリティモード 53 設置 26 セットアップ 25 セットアップの失敗 45 接続 39 接続最大待ち時間 62 操作 14 102 その他 91 夕

チップセット <u>219</u> ディスク使用 <u>89</u> ディフォルトゲートウェイ <u>43</u> 電源 <u>219</u> 電源コネクタ <u>11</u> 電源のON/OFF <u>15</u> 統計情報表示 6 動作条件 65 トラップ送信先 83 トラブルシューティング 200 取り扱い上のご注意 xiii 取り付け DIMM 186 取り外し DIMM 187

内蔵オプション <u>180</u> 名前解決診断 <u>89</u> 日常の保守 <u>196</u> 認証キャッシュ <u>74</u> 認証設定 <u>73</u> ネットワーク <u>91</u>, <u>219</u> ネットワーク管理エージェト <u>83</u> ネットワーク設定 <u>43</u>

ハードウェアメンテナンスサービス ハードディスク <u>11, 219</u> 廃棄 <u>xix</u> バイパス 75 初めてのセットアップ 41 はじめに xv パスワード 16, 42 バックアップ 91, 97, 196 バックアップCD-ROM 8 バックアップCD-ROM用インストー ルディスク 8 バックアップファイルグループ パッケージ 85 パッケージの一覧 87 非キャッシュ 67 ブート監視の設定 114 ファーストコンタクトセンター 218 フィルター <u>76</u> 付属品 xviii プライマリネームサーバ 43

プロキシ 55

プロキシアクセス統計 90 プロキシサーバ状態 92 プロキシサーバの設定 56 プロキシ転送 68 付録 219 プロセッサ 11 フロッピーディスク 18 フロッピーディスクドライブ <u>18, 219</u> フロントベゼル 10 保管 213 保守 196 補修用部品 215 保守・管理ツール 205 保守・管理ツールCD-ROM <u>8</u>, <u>107</u> 保守サービス 216 保守サービス会社網一覧 220 保守用パーティション 48 保守用パーティションの設定 113 保守用パスワード 95 保証 214 ホスト名 43 ポリシー 79 本書について xvi

マ

マザーボード <u>11</u> マルチキャストIP <u>57</u> 名称 <u>10</u> メインメニュー <u>112</u> メモリ <u>185</u>, <u>190</u>, <u>219</u>

ヤ

ユーザーサポート <u>214</u> ユーザー登録 <u>xxvi</u> ユーザ認証 <u>85</u>

ラ

ラックの設置 28

ランプ 100TX <u>11</u>, <u>13</u> ACT/LINK 10, 11, 13 DISK ACCESS 10, 12 POWER 10, 11, 12 STATUS <u>10</u>, <u>12</u> UID 10, 11, 12 アクセス 13 リクエストボディサイズ 62 リスト 64 リストア <u>105</u> リセット 23 リチウム電池 <u>xix</u>, <u>11</u> リモートコンソール 121 リモート情報収集 121 リモート電源制御 <u>121</u> リモートドライブ <u>121</u> リモートログイン 84 隣接プロキシ 61 冷却ファン <u>11</u> レスポンスボディサイズ 62 連携サーバのコンテンツ 61

ログ管理 93

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That's all there is to it!

■ 謝辞

Linus Torvalds氏をはじめとするLinuxに関わるすべての皆様に心より感謝いたします。

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