Windows Serverマイグレーション案件で競合に勝つために知っておきたいAMDの優位性

HPE x AMD パートナー倶楽部メンバー様限定
第6回 オンライントレーニング

日本AMD株式会社
2021年 12月16日

2021年、大きく成長したAMD

Nasdaq

Advanced Micro Devices, Inc. Common Stock (AMD)

https://www.nasdaq.com/market-activity/stocks/amd

ハイパフォーマンス コンピューティング

クラウド, ネットワーク、
ハイパースケール 、
スーパーコンピューター

5G、
通信インフラストラクチャ

AI & アナリティクス

アダプティブ・インテリ
ジェント・システム

ゲーミング、
シミュレーション、
ビジュアライゼーション

よりスマートなクライアント
デバイス、IOT

テクノロジーは世界を変える

AMD EPYC™ CPU ロードマップ

ROADMAP SUBJECT TO CHANGE

世界のハイパースケーラー

AMD EPYC™ を採用しています

aws
Alibaba Cloud
Baidu
Google Cloud
IBM Cloud
Meta
ORACLE CLOUD
Microsoft Azure
Tencent Cloud

EPYC PROCESSORS HAVE BEEN DESIGNED INTO DATA CENTERS BY TEN OF

THE WORLD'S LARGEST HYPERSCALE COMPANIES

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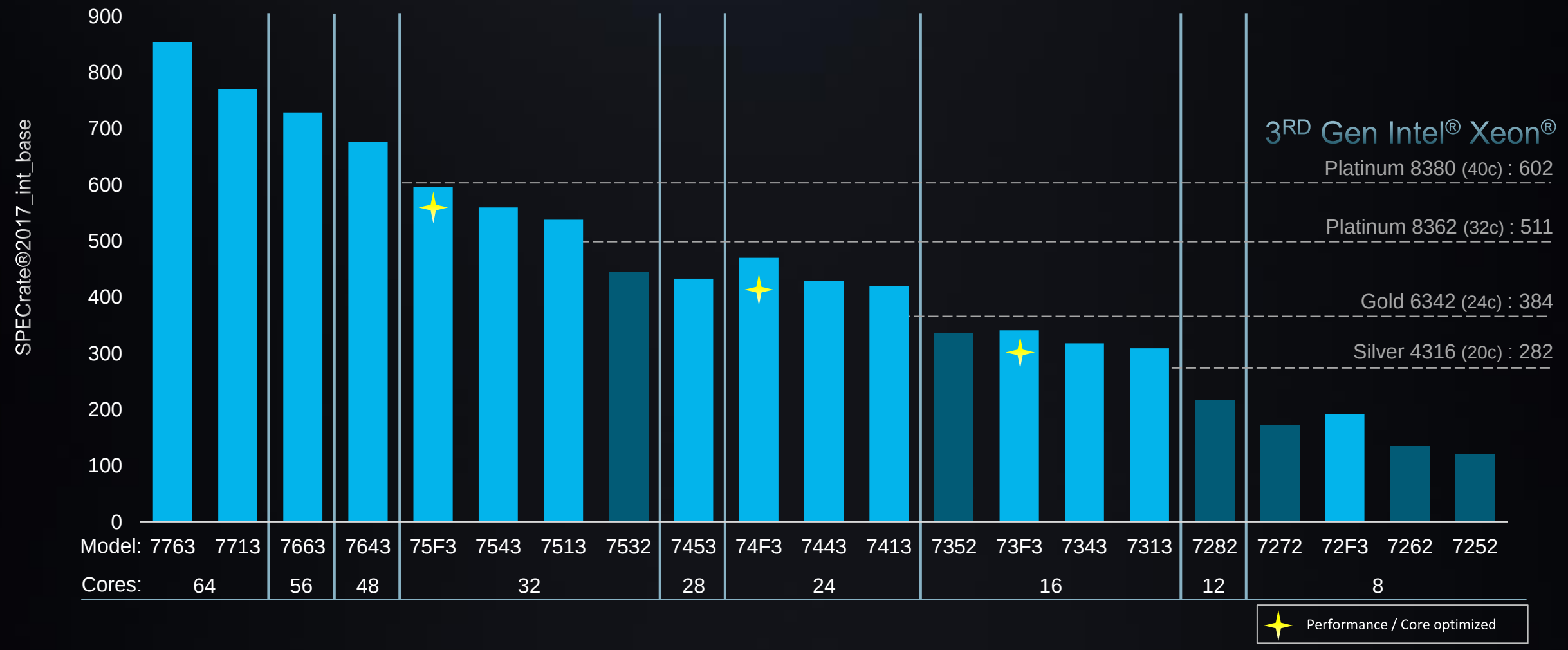
AMD

AMD EPYC™ プロセッサー

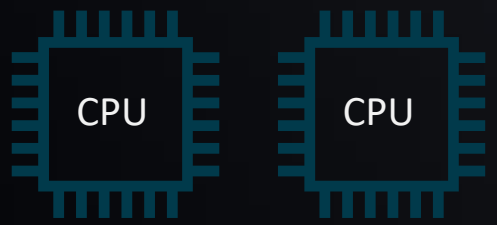
性能一覧



2X 3RD GEN AMD EPYC™ CPU URLS: 7252 7262 72F3 7272 7282 7313 7343 73F3 7352 7413 7443 74F3 7453 7532 7513 7543 75F3 7643 7663 7713 7763. 2X 2ND GEN EPYC URLS: 7532,7352, 7282, 7272, 7262, 7252. BEST PERFORMING 2X INTEL XEON PLATINUM, GOLD AND SILVER PROCESSORS PUBLISHED AT WWW.SPEC.ORG AS OF 7/6/21. INTEL XEON URLS: 2X XEON PLATINUM 8380, PLATINUM 8362, GOLD 6342, SILVER 4316; SPEC® AND SPECrate® ARE REGISTERED TRADEMARKS OF THE STANDARD PERFORMANCE EVALUATION CORPORATION. SEE WWW.SPEC.ORG FOR MORE INFORMATION.

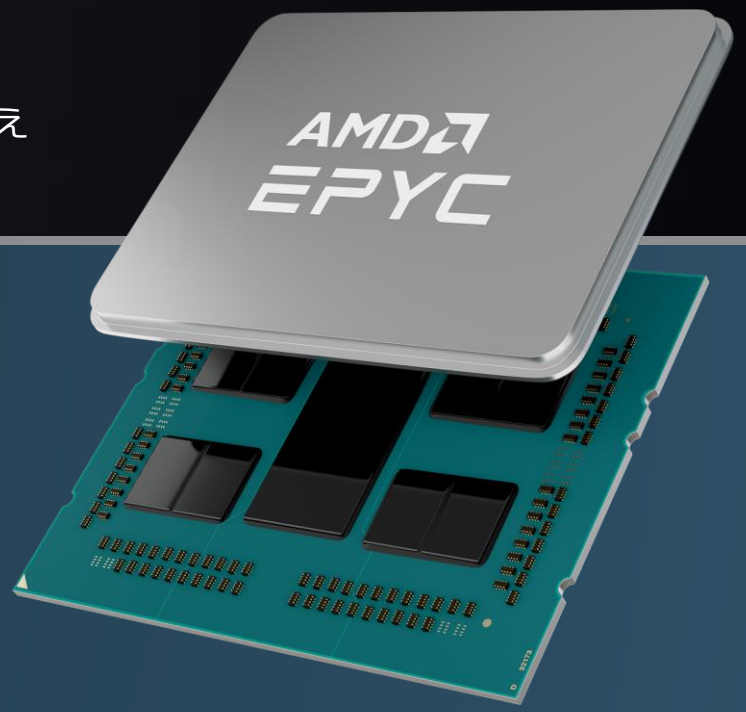
サーバーに対する考え方を変えてみましょう

まず効率化です



そもそもなぜ２ソケットが必要なのでしょうか?

- コンピューティングの要件
- IOまたはメモリのフットプリント
- これまでそうだったので、変える必要が無い?
- ２ソケットサーバーは冗長性を提供するという誤った考え



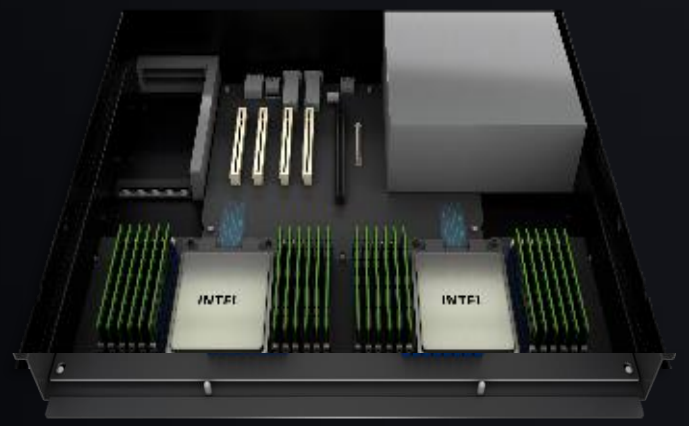
AMD EPYC™ プロセッサー：１ソケットサーバーをおすすめします

- 1ソケットサーバーで、２ソケットサーバーの性能と機能を実現*
- 電力効率が良くなる
- 2 CPU間でメモリーのやり取りが必要なくなる、メモリー遅延の低減
- インフラコストの効率化
- コンピューティングの効率化

* Performance comparison is dependent on the servers and applications being compared

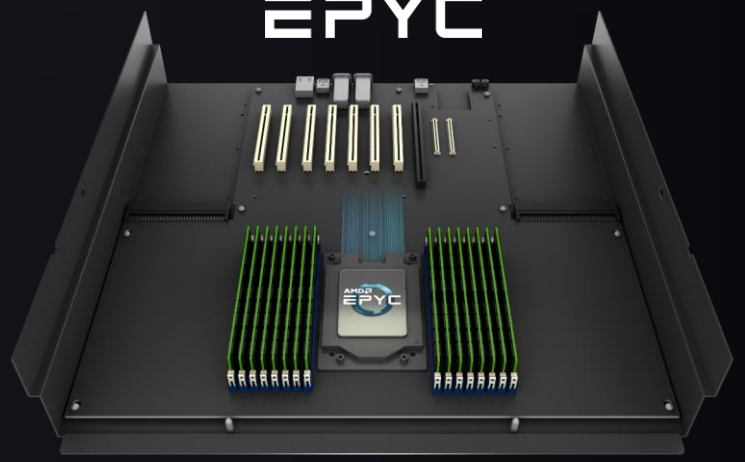
TCO 削減に効果的
最高の効率化実現に貢献

INTEL



- CPU とそのための電力が2つ分必要
- ２ソケットと、メモリーDIMMの分 マザーボード面積とコストがかかる
- ソケットと、電源周りの部材コストも２倍かかる
- 冷却器のコストも２倍かかる

AMD EPYC



- CPU とそのための電力が1つ分でよい
- マザーボードが小型で済む
- 小型の電源で済む
- シンプルで小型な冷却器で済む
- 性能や機能は従来通り *

* Performance comparison is dependent on the servers and applications being compared

Windows Server マイグレーション提案で活用したい1Pサーバー

HPE ProLiant DL325 Gen10 Plus v2サーバー

https://www.hpe.com/jp/ja/product-catalog/servers/proliant-servers/pip.1013291330.html

HPE ProLiant DL345 Gen10 Plusサーバー

https://www.hpe.com/jp/ja/product-catalog/servers/proliant-servers/pip.1013291286.html

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