

CA Virtual Assurance for Infrastructure Managers

リリース ノート

リリース 12.6



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CA Technologies 製品リファレンス

このマニュアルが参照している CA Technologies の製品は以下のとおりです。

- CA eHealth®
- CA Embedded Entitlements Manager (CA EEM)
- CA IT Asset Manager
- CA IT Client Manager
- CA NSM (CA Network and Systems Management)
- CA Patch Manager
- CA Server Automation
- CA Service Desk Manager (CA SDM)
- CA Spectrum®
- CA SystemEDGE
- CA Virtual Assurance for Infrastructure Managers
- CA Software Delivery

CA への連絡先

テクニカル サポートの詳細については、弊社テクニカル サポートの Web サイト (<http://www.ca.com/jp/support/>) をご覧ください。

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第 1 章: はじめに

「CA Virtual Assurance リリース ノート」では、本リリースでの新機能と拡張機能、製品インストールの前提条件、およびサードパーティツールとの統合について詳しく説明します。

CA Virtual Assurance をインストールする方法の詳細については、「インストール ガイド」を参照してください。全ドキュメント セットの簡単な説明については、このガイドの「関連ドキュメント」の章参照してください。

第 2 章：システム要件

CA Virtual Assurance を正常にインストールして動作させるには、システムがこのセクションの要件を満たすか、上回っている必要があります。

この製品は、TCP/IP、SNMP、ドメイン ネーム サービス (DNS) およびその他のネットワーク技術に依存します。これらの技術が利用できない、遅い、またはその情報が不正確あるいは期限切れの場合、技術障害を含め、製品の機能に悪影響を及ぼすことがあります。

このセクションには、以下のトピックが含まれています。

[マネージャ要件](#) (P. 11)

[CA Virtual Assurance AIM サーバおよび管理対象ノードの要件](#) (P. 22)

[サポートされている仮想プラットフォーム用の外部ソフトウェア](#) (P. 31)

マネージャ要件

このセクションでは、CA Virtual Assurance リリース 12.6 のマネージャをインストールするためのハードウェアとソフトウェアの要件について詳しく説明します。

ハードウェア要件

CA Virtual Assurance コンポーネントの分散実装または非分散実装には、以下のハードウェアが必要です。

- CPU: Intel Xeon 51xx 2.6 GHz またはそれと同等のもの、あるいは Intel Core 2 Duo 2.6 GHz またはそれと同等のもの

注: CPU 要件は、CA Virtual Assurance の Web ブラウザベースの UI を実行するクライアント デスクトップまたはワークステーションにも適用されます

- RAM: 4 GB
 - 1,000 以下のシステムを管理する展開: 4GB
 - 5,000 以下のシステムを管理する展開 (64 ビット オペレーティング システム上): 8GB
 - 5,000 以上のシステムを管理する展開 (64 ビット オペレーティング システム上): 16GB
- ネットワーク インターフェース コントローラ (NIC): 100 Mbps 以上
- メインのインストール用ドライブの空きディスク領域: 30 GB
- データベース用ドライブの空きディスク領域: 30 GB

注: データベースを保持するドライブのディスク領域は、この製品用のデータベースを保存するよう Microsoft SQL Server を設定した場所で必要になります。製品インストールと同じドライブ、別のドライブ、または別のシステム上のドライブなどいずれの場合もあります。製品インストールと同じドライブの場合、必要な空きディスク領域は 2 つの値の合計になります。製品のデータベースは、製品の使用状況に基づいてサイズが大きくなります。メンテナンスの実施内容によっては、30 GB 以上が消費される可能性があります。

重要: トランザクション ログが無制限に大きくなることを回避するには、Microsoft SQL Server 構成手順についての Microsoft ナレッジ ベース記事 873235 を参照してください。

重要: CA Virtual Assurance をその他の CA 製品と一緒にインストールする場合は、組み合わせによる影響を考慮し、それに応じてハードウェアの仕様を調整してください。たとえば、1 つのサーバに CA Virtual Assurance (4 GB の RAM) および CA Service Desk Manager (3 GB の RAM) をインストールする場合、最低 7 GB の RAM を備えたサーバが必要となります。CA サポート オンラインの Web サイト (<http://supportconnect.ca.com>) で、統合製品のリリース ノートを確認してください。

注: CPU 要件は、CA Virtual Assurance の Web ブラウザベースの UI を実行するクライアント デスクトップまたはワークステーションにも適用されます。

ソフトウェア要件

このセクションでは、分散コンポーネントおよび非分散コンポーネントの実装に必要なソフトウェアに関する情報を提供します。

Windows 上のマネージャ

CA Virtual Assurance マネージャでは、以下のオペレーティング システムがサポートされています。

- Windows Server 2003 SP2 および 2003 R2 SP2 Standard、Enterprise、および Datacenter Edition (x86、x64)
- Windows Server 2008 Standard、Enterprise、および Datacenter Edition (x86、x64)
- Windows Server 2008 R2 Standard、Enterprise、および Datacenter Edition (x64)

CA サポート オンラインの Web サイトにある[互換性マトリックス](#)には、サポートされているオペレーティング環境の最新のリストが掲載されています。

注: タイムゾーンをシームレスに操作するには、ご使用の分散コンピューティング環境が共通のタイムソース (NTP サーバ、GPS など) に同期されていることを確認します。

データベース要件

CA Virtual Assurance はデータベースとして Microsoft SQL Server を使用します。CA Virtual Assurance は他の CA 製品と統合されるため、統合される製品のデータベース要件を確認してください。

このリリースでは、以下のバージョンをサポートします。

- 2005 SP3 以降 (32 ビット、64 ビット)、Standard Edition および Enterprise Edition
- 2008 SP2 (32 ビット、64 ビット)、Standard Edition および Enterprise Edition
- 2008 R2 (32 ビット、64 ビット)、Standard Edition および Enterprise Edition
- 2008 R2 Express (32 ビット、64 ビット)、Database with Management Tools Edition および Database with Advanced Services Edition

注: SQL Server Tools (OSQL.EXE)が必要です。

以下の点に注意してください。

- 本製品を便利にお使いいただくために、SQL Server 2008 R2 Express Edition (32 ビット)が、CA Virtual Assurance インストール メディア上の以下の場所で利用可能です:
DVD1¥Installers¥Windows¥External¥MSSQLExpress¥setup.exe。
- 名前付きインスタンスおよび SQL Server クラスタはサポートされます。TCP/IP は有効になっている必要があります。また、静的ポートの割り当てが各インスタンスで使用されている必要があります。動的ポートはサポートされていません。
- マネージャ コンポーネントがインストールされたシステムには、SQL クライアントもインストールされている必要があります。
- SQL Server Tools をインストールした後、この場所 (デフォルト インストールパスを使用する場合)に OSQL.EXE が正しくインストールされていることを確認します。
 - MS SQL 2005: C:¥Program Files¥Microsoft SQL Server¥90¥Tools¥Binn
 - MS SQL 2008: C:¥Program Files¥Microsoft SQL Server¥100¥Tools¥Binn

リモート データベース

リモート データベースを使用している場合、一致する適切なバージョンの SQL Server Native Client がローカル システムで必要です。

例

- リモートの 2008 SP2、R2、または R2 Express データベースには、ローカルの 2008 SP2、R2、または R2 Express Native Client のいずれかが必要です。
- リモートの 2005 SP3 データベースには、ローカルの 2005 SP3 Native Client が必要です。

SQL Server Native Client は、Microsoft ダウンロード センターで「Microsoft SQL Server 用 Feature Pack」を検索することで利用可能です。お使いのリモート データベースとオペレーティング環境に基づいて、以下の手順を実行します。

1. 適切な最新のバージョン(2005 SP3+ または 2008 SP2+)を選択します。
2. オペレーティング環境用の適切なモジュールをダウンロードして、ローカル システムにインストールします。

例: `ENU¥<x86 または x64>¥sqlncli.msi`

ブラウザの要件

CA Virtual Assurance は、ユーザ インターフェイス用に以下のブラウザをサポートしています。これらの Web ブラウザは、(製造元によって決定される)その Web ブラウザのライフサイクルの間、または CA Technologies がサポートを終了するまでサポートされます。

- Microsoft Internet Explorer 8.0

注: 「このページのスクリプトが、Internet Explorer の実行速度を遅くしています。」というメッセージが表示された場合は、Microsoft サポート技術情報の記事 175500 を確認してください。

- Mozilla Firefox 3.6.19 および 5.0.1

CA Virtual Assurance には、Adobe Flash Player プラグインを備えたサポート対象のブラウザが必要です。以下のバージョンがサポートされています。

- Adobe Flash Player バージョン 9.0 および 10.0

注: CA Virtual Assurance では Adobe Flash Player のメジャー バージョンをサポートしています。マイナー バージョンも実行できますが、それらのバージョンは認定されていません。

その他の CA ソフトウェア

CA Virtual Assurance には、インストール メディアに含まれている以下のソフトウェアが必要です。

CA Embedded Entitlements Manager for Windows (CA EEM)

CA Virtual Assurance は CA EEM バージョン 8.4 SP04 CR08 (8.4.408) を配布およびサポートし、連携して動作することが確認されています。

CA Virtual Assurance は次のソフトウェアもサポートします。

- すべての「CA EEM8.4」のサブバージョン - CA EEM 8.4 SP04 (8.4.244) 以降、新しい「CA EEM8.4」SP までを含む、配布されるバージョン。
- この製品のリリース後に出荷する CR のサブバージョン。

CA EEM の不十分なバージョンがインストール時に検出された場合、サポートされているバージョンにアップグレードできるように、インストール プログラムによって最小要件が表示されます。

サポートを必要とする場合、またはこの製品の他のバージョンの CA EEM との使用を認証するには、CA 担当者にお問い合わせください。

注: サイトに CA Server Automation または CA Virtual Assurance のインスタンスが複数ある場合、CA EEM サーバは共有できません。

注: この製品によって CA EEM がインストールされる場合、[TLS を使用] オプションは、デフォルトでは有効になりません。セキュリティを高めるためには、CA EEM インターフェースへログインし、[設定] タブで TLS オプションを選択します。

CA ネットワーク ディスカバリ ゲートウェイ

このソフトウェアは、システムおよびネットワークのディスカバリに必要です。

SystemEDGE

インストール プログラムは、SystemEDGE がシステム上にまだインストールされていない場合、SystemEDGE 5.6.0 をインストールします。SystemEDGE は CA Virtual Assurance AIM に必要です。AIM は、SystemEDGE エージェントの機能を拡張します。

SystemEDGE リリース 4.3.4、4.3.5、4.3.6、5.0、5.0.1、5.0.2、および 5.1.0 では、引き続きご使用の環境でのリモート サーバ管理がサポートされています。

CA Virtual Assurance 用のオプションの CA ソフトウェア

以下に示すオプションの CA ソフトウェアをインストールし、CA Virtual Assurance を適切に設定することで、特定の統合機能を有効にすることができます。

CA Service Desk Manager

ヘルプ デスク チケットをオープンするには、バージョン 11.2、12.0、12.1、12.5、または 12.6 が必要です。

国際化 (i18n)

CA Virtual Assurance は、UTF-8 文字エンコーディングを使用して言語固有の文字を表示する、国際化された製品 (i18n) です。たとえば、入出力データ内のドイツ語の ü (ウムラウト)、フランス語の è (抑音アクセント)、日本語の文字を表示できます。

UTF-8 による文字のエンコーディングは、以下の領域などでサポートされています。

- オブジェクトやリソースの説明文
- メッセージ
- 管理可能なリソースに接続するためのユーザ名およびパスワード
- 正規表現 (SystemEDGE)

この製品のインストールは、サポートされた Microsoft Windows オペレーティングシステムの英語版、フランス語版、ドイツ語版および日本語版にてサポートされています。また、Windows については、オペレーティング システムでサポートされているバージョンの SQL Server (英語または該当するローカライズ バージョン) を使用できます。

重要: UTF-8 エンコーディングを使用する製品ファイルを編集した場合は、必ず UTF-8 エンコーディングで保存するよう注意してください。英語以外のオペレーティング システムで、マルチバイト文字を使用している場合は、UTF-8 エンコーディングで保存する必要があります。Windows のメモ帳では、UTF-8 エンコーディングで保存できます。

一般的な制限

CA Virtual Assurance は他の CA 製品と統合されるため、統合される製品のインターナショナル サポート ステートメントを確認してください。

CA Virtual Assurance は、文字 'a - z'、'A - Z'、'0 - 9'、および '-' から構成されるホスト名またはクラスタ名のみをサポートします。ホスト名またはクラスタ名は、先頭文字をハイフン（「-」）にすることや、すべて数値にすることはできません。Windows システムの NetBIOS 名は、その DNS ホスト名と一致している必要があります。CA Virtual Assurance では非 ASCII の仮想マシン名をサポートしますが、仮想化ベンダーのソフトウェアを直接使用してプロビジョニングされている場合に限りです。CA Virtual Assurance から新しい仮想マシンのクローン作成またはプロビジョニングする場合は、仮想マシン名を ASCII 文字にする必要があります。

CA Virtual Assurance は、次の場合、ASCII 文字のみをサポートします。

- SQL Server のホスト名（ホスト名の制約を受ける）、インスタンス名、ユーザ名、およびパスワード
- CA EEM/Security のホスト名（ホスト名の制約を受ける）、ユーザ名、およびパスワード
- ポリシー名を除く、すべての CA SystemEDGE パラメータ
- SystemEDGE 権限分離ユーザ（UNIX および Linux のみ）
- SNMP の読み取り、読み取り/書き込み、およびトラップのコミュニティ文字列
- %TEMP% 環境変数
- すべての CA Virtual Assurance コンポーネントのインストール先パス

コンソール ディスプレイのカスタマイズ

言語固有の文字を含むコンソール データを表示する場合は、CLI コマンドの以下の前提条件を確認します。

- 使用しているオペレーティング システムで、適切な言語サポートが利用可能であることを確認します。
- コマンドまたは NodeCfgUtil ユーティリティの実行に使用する Windows コマンド プロンプト内で、Lucida Console フォントを有効にします。
- コマンドの実行に使用する UNIX または Linux コンソール内で、UTF-8 文字エンコーディングを有効にします。端末コンソール内で以下のコマンドを入力して、現在の言語設定を表示します。

```
echo $LANG
```

UTF-8 が無効な場合、コンソール ウィンドウで、たとえば以下のコマンドを入力します (適切な文字エンコーディングを使用してください: en_US.UTF-8、ja_JP.UTF-8、fr_BE.UTF-8、de_DE.UTF-8 など)。

```
LANG=en_US.UTF-8; export LANG
```

AutoShell および CA Virtual Assurance CLI Autoshell コマンド

AutoShell および CA Virtual Assurance CLI コマンドでは、ISO 639_3166 の組み合わせ (例: フランス語では fr_FR) に基づいたロケール指定が可能な `-locale` スイッチがサポートされています。「リファレンス ガイド」の「AutoShell の呼び出し」および「CLI コマンド」を参照してください。

Solaris ゾーン稼働時間

Solaris ゾーンの稼働時間 (Uptime) MIB 属性 (zoneAimStatZoneUpTime) は、ASCII 文字のみをサポートする DisplayString として指定されます。ユーザ インターフェイス内の対応するフィールドでは UTF8 文字が表示されません。

デフォルトのパッケージ ラッパー名

デフォルトのパッケージ ラッパー名はローカライズされておらず、すべてのサポート対象言語で「デフォルト」が読み込まれます。カスタム パッケージ ラッパー名では UTF-8 文字がサポートされています。

サービス レスポンス モニタリング AIM 設定ファイル

言語固有の文字を追加するために `svcrsp.cf` 設定ファイルを変更する場合は、ご使用のテキスト エディタが保存形式として **UTF-8** をサポートしていることを確認します。ファイルの保存時に、テキスト エディタによって **UTF-8** バイトオーダー マークが挿入されると、**SystemEDGE** は、設定ファイルを読み取るときにバイトオーダー マークを無視します。

SRM CLI コマンド

`svcwatch` CLI は、出力とコンソールのヘルプ情報のローカライズをサポートしています。

オプションの `-L` スイッチを使用すると、ユーティリティは、コンソールの現在のロケールと、利用可能な場合は言語カタログを検出します。言語カタログが見つからない場合、ユーティリティはデフォルト言語である英語に戻ります。

Cisco UCS の制限

Cisco Unified Computing System (Cisco UCS) は、英語の文字のみをサポートします。UCS Manager では英語以外の文字が無効として扱われるため、CA Virtual Assurance では、サービス プロファイルやプールなどの UCS フィールド内のサポートされていない文字は許可されません。

Business Objects レポート

Business Objects レポートを使用するには、英語または日本語版の Microsoft SQL Server が必要です。他の言語はサポートされていません。

インストール時の制限

パラメータ `-L` ロケール(`Install.exe -L fr` など)を使用することにより、サイレントインストール用の言語を指定できます。サポートされているロケールは、**en** (英語)、**ja** (日本語)、**de** (ドイツ語)、および **fr** (フランス語)です。ロケールを指定しないと、インストーラは、最も適切なもの(システムロケールまたは英語(**en**))を選択します。

中国語のシステムでない限り、指定する DVD インストールパスに漢字を含めることはできません。中国語のシステム以外で漢字を指定すると、インストーラは以下のメッセージを表示し、失敗します。

Unable to extract the compressed file. Please get another copy of the installer and try again.

製品インストーラでは、LPAR、vCenter、Solaris ゾーン、Microsoft Cluster Service、Hyper-V、SCVMM、リモートモニタリング、および UCS コンポーネントの設定で非 ASCII 文字を使用できます。ただし、非 ASCII 文字が入力された場合、関連付けられた AIM の設定が通知なしで失敗する場合があります。非 ASCII 文字を使用して AIM を設定する必要がある場合、[UI 管理]タブまたは CLI を使用して AIM のポストインストールの設定を行います。

ローカライゼーション(L10n)

CA Virtual Assurance リリース 12.6 はローカライズされたリリースです。ローカライズされた CA Virtual Assurance マネージャを使用する場合、以下のようなユースケースについて考えてみます。

ローカライズされた CA Virtual Assurance リリースをインストールする場合、たとえば日本語の CA Virtual Assurance を日本語のシステムにインストールするとき、インストーラはデフォルト言語として日本語と英語の 2 つの言語を使って製品をインストールします。CA Virtual Assurance は Web ベースのユーザインターフェースを備えているので、リモートシステムまたはローカルシステムから Web ブラウザで CA Virtual Assurance にアクセスできます。CA Virtual Assurance のローカライズされたリリースにリモートでアクセスする場合は、以下を考慮します。

システムの Web ブラウザロケールが、CA Virtual Assurance マネージャで利用できない言語に設定されている場合、ユーザインターフェースは英語で表示されます。英語はデフォルトの言語です。

CA Virtual Assurance AIM サーバおよび管理対象ノードの要件

このセクションでは、AIM サーバまたは管理対象ノードによってサポートされるハードウェア要件およびオペレーティングシステムについて詳しく説明します。

管理対象ノードおよび AIM サーバのハードウェア要件

SystemEDGE および AIM のハードウェア要件は以下のとおりです。

最小要件

CPU: OS ベンダーと同じ

RAM: OS ベンダーと同じ

空きディスク領域: 50 MB (管理対象ノード、SystemEDGE のみ*)

空きディスク領域: 250 MB (CA Virtual Assurance AIM をすべてインストールした AIM サーバ)

ネットワーク インターフェース コントローラ (NIC): 100 Mbps

推奨

CPU: OS ベンダーと同じ

RAM: OS ベンダーと同じ

空きディスク領域: 150 MB 以上 (管理対象ノード、SystemEDGE のみ**)

空きディスク領域: 500 MB (CA Virtual Assurance AIM をすべてインストールした AIM サーバ)

ネットワーク インターフェース コントローラ (NIC): 100 Mbps 以上

(*) UNIX と Windows の領域の要件は少し異なります。Windows をインストールする場合、スペース要件は MSI インストーラを使用してインストールする場合を示します。

(**) 診断トレースが有効である場合、ランタイム ファイルの領域の要件は大きくなります。デフォルトでは、診断トレースのサイズの上限は 10 MB です。

SystemEDGE のオペレーティング システム サポート

SystemEDGE Version 5.6.0 を実行するコンピュータでは、以下のいずれかのオペレーティング システムが必要です。

Windows

- Windows Server 2003 SP2 Standard、Enterprise、Data Center、および Small Business Server Edition (32 ビット、x86)
- Windows Server 2003 R2 SP2 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2003 R2 SP2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2003 SP2 Edition (64 ビット、x64)
- Windows Server 2003 SP2 64-bit Itanium Edition (64 ビット)
- Windows Server 2008 R2 with SP1
- Windows Server 2008 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2008 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2008 R2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2008 64-bit Itanium Edition (64 ビット)
- Windows XP Professional SP3 (32 ビット、x86)
- Windows Vista SP1 Business、Enterprise、および Ultimate Edition (32 ビット、x86)
- Windows Vista SP1 Business、Enterprise、および Ultimate Edition (64 ビット、x64)
- Windows 7 Professional Edition (32 ビット、x86)
- Windows 7 Professional Edition (64 ビット、x64)

HP

- HP-UX 11.11 PA-RISC (64 ビット)
- HP-UX 11.23 PA-RISC (64 ビット)
- HP-UX 11.23 ia64 (64 ビット)
- HP-UX 11.31 PA-RISC (64 ビット)
- HP-UX 11.31 ia64 (64 ビット)

IBM AIX

- IBM AIX 5L Version 5.3 (32 ビット、64 ビット)
- IBM AIX Version 6.1 (64 ビット)
- IBM AIX Version 7.1 (64 ビット)

Linux

- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 4.0 (32 ビット、x86)
- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 4.0 (64 ビット、x64)
- Red Hat Linux 64-bit Itanium Web Server、Advanced Server、および Enterprise Server 4.0 (64 ビット)
- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 5.0 (32 ビット、x86)
- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 5.0 (64 ビット、x64)
- Red Hat Linux 64-bit Itanium Web Server、Advanced Server、および Enterprise Server 5.0 (64 ビット)
- Red Hat Enterprise Linux 6.0 (32 ビット、x86)
- Red Hat Enterprise Linux 6.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 9.0 (32 ビット、x86)
- SUSE Linux Enterprise Server 9.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 9.0 (64 ビット、ia_64)

- SUSE Linux Enterprise Server 10.0 (32 ビット、x86)
- SUSE Linux Enterprise Server 10.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 10.0 (64 ビット、ia_64)
- SUSE Linux Enterprise Server 11 (32 ビット、x86)
- SUSE Linux Enterprise Server 11 (64 ビット、x64)
- Debian Linux Version 4.0 (Etch) (32 ビット、x86)
- Debian Linux Version 4.0 (Etch) (64 ビット、x64) - レガシー モードのみ
- Debian Linux Version 4.0 (Etch) (64 ビット、ia_64) - レガシー モードのみ
- Debian Linux Version 5.0 (Lenny) (32 ビット、x86)
- Debian Linux Version 5.0 (Lenny) (64 ビット、x64) - レガシー モードのみ
- Debian Linux Version 5.0 (Lenny) (64 ビット、ia_64) - レガシー モードのみ

zLinux

- SUSE Linux Enterprise Server 10 (zSeries) - レガシー モードのみ
- SUSE Linux Enterprise Server 11 (zSeries) - レガシー モードのみ
- Red Hat Enterprise Server 5.0 (zSeries) - レガシー モードのみ

Solaris

SystemEDGE では、Solaris 10 オペレーティング システムのすべての Solaris ゾーンの設定をサポートします。

- Solaris UltraSPARC 8 (64 ビット)
- Solaris UltraSPARC 9 (64 ビット)
- Solaris UltraSPARC 10 (64 ビット)

- Solaris 8 (32 ビット、x86)
- Solaris 9 (32 ビット、x86)
- Solaris 10 (32 ビット、x86)
- Solaris 10 (64 ビット、x64)

注: Solaris 8 SPARC および Intel では、パッチ 109326 (SPARC) および 109327 (x86) を適用しないと SystemEDGE を起動できません。Solaris 8 SPARC および Intel には、パッチ 117000 (SPARC) および 117001 (x86) を適用することをお勧めします。これにより、CPU 統計の誤りに関する問題が修正されます。

展開や設定などの CA Virtual Assurance に固有の機能は、すべてのプラットフォームでサポートされていない場合があります。

CA Virtual Assurance AIM のオペレーティング システム サポート

CA Virtual Assurance に付属の SystemEDGE AIM と Advanced Encryption は、以下のオペレーティング システムで実行できます。

Windows: Advanced Encryption

- Windows XP Professional SP3 (32 ビット、x86)
- Windows Vista Business、Enterprise、Ultimate SP1 (32 ビット、x86)
- Windows Vista Business、Enterprise、Ultimate SP1 (64 ビット、x64)
- Windows 7 Professional、Ultimate (32 ビット、x86)
- Windows 7 Professional、Ultimate (64 ビット、x64)
- Windows Server 2003 SP2 Standard、Enterprise、Data Center、および Small Business Server Edition (32 ビット、x86)
- Windows Server 2003 SP2 Edition (64 ビット、x64)
- Windows Server 2003 SP2 64-bit Itanium Edition (64 ビット)
- Windows Server 2003 R2 SP2 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2003 R2 SP2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)

- Windows Server 2008 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2008 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2008 R2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2008 64-bit Itanium Edition (64 ビット)

Windows: vCenter Server AIM、Solaris ズーン AIM、LPAR AIM、Cisco UCS AIM、リモート モニタリング AIM、サービス レスポンス モニタリング AIM

- Windows Server 2003 SP2 Standard、Enterprise、および Data Center (32 ビット、x86)
- Windows Server 2003 R2 SP2 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2003 R2 SP2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2003 SP2 Edition (64 ビット、x64)
- Windows Server 2008 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2008 Standard、Enterprise、および Data Center Edition (64 ビット、x64)
- Windows Server 2008 R2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)

Windows: Hyper-V AIM

- Windows Server 2008 R2 Standard、Enterprise、および Data Center Edition (64 ビット、x64)

HP: Advanced Encryption、サービス レスポンス モニタリング AIM

- HP-UX 11.11 PA-RISC (64 ビット)
- HP-UX 11.23 PA-RISC (64 ビット)
- HP-UX 11.23 IA64 (64 ビット)
- HP-UX 11.31 PA-RISC (64 ビット)
- HP-UX 11.31 IA64 (64 ビット)

IBM AIX: Advanced Encryption、サービスレスポンス モニタリング AIM

- IBM AIX 5L Version 5.3 (32 ビット、64 ビット)
- IBM AIX Version 6.1 (64 ビット)
- IBM AIX Version 7.1 (64 ビット)

注: JRE は AIX 用 SRM AIM に付属しています。

Linux: Advanced Encryption、サービスレスポンス モニタリング AIM

- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 4.0 (64 ビット、x64)
- Red Hat Linux 64-bit Itanium Web Server、Advanced Server、および Enterprise Server 4.0 (64 ビット)
- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 5.0 (32 ビット、x86)
- Red Hat Linux Web Server、Advanced Server、および Enterprise Server 5.0 (64 ビット、x64)
- Red Hat Linux 64-bit Itanium Web Server、Advanced Server、および Enterprise Server 5.0 (64 ビット)
- Red Hat Enterprise Linux 6.0 (32 ビット)
- Red Hat Enterprise Linux 6.0 (64 ビット、32 ビットのバイナリを使用)
- SUSE Linux Enterprise Server 9.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 9.0 (64 ビット、ia_64)
- SUSE Linux Enterprise Server 10.0 (32 ビット、x86)
- SUSE Linux Enterprise Server 10.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 10 (64 ビット、ia_64)
- SUSE Linux Enterprise Server 11 (32 ビット、x86)
- SUSE Linux Enterprise Server 11 (64 ビット、x64)
- Debian Linux Version 5.0 (Lenny) (32 ビット)

Solaris: Advanced Encryption、サービスレスポンス モニタリング AIM

注: SystemEDGE は、Solaris 10 オペレーティング システムのすべてのゾーン設定またはコンテナ設定をサポートしています。

- Solaris UltraSPARC 8 (64 ビット)
- Solaris UltraSPARC 9 (64 ビット)
- Solaris UltraSPARC 10 (64 ビット)
- Solaris 8 (32 ビット、x86)
- Solaris 9 (32 ビット、x86)
- Solaris 10 (32 ビット、x86)
- Solaris 10 (64 ビット、x64)

Systems Performance LiteAgent のオペレーティング システム サポート

CA Performance LiteAgent を実行するコンピュータは、以下のいずれかのオペレーティング システムが必要です。

Windows

- Windows Server 2003 Standard、Enterprise、Data Center、および Small Business Server Edition (32 ビット、x86)
- Windows Server 2003 (64 ビット、x64)
- Windows Server 2003 R2 Standard、Enterprise、および Data Center Edition (32 ビット、x86)
- Windows Server 2003 R2 (64 ビット、x64)
- Windows Server 2008 (32 ビット、x86)
- Windows Server 2008 (64 ビット、x64)
- Windows Server 2008 R2 (64 ビット、x64)
- Windows Vista Business、Enterprise、および Ultimate Edition (32 ビット、x86)
- Windows Vista Business、Enterprise、および Ultimate Edition (64 ビット、x64)
- Windows XP Professional SP2 以降 (32 ビット、x86)
- Windows XP Professional SP2 以降 (64 ビット、x64)

HP

- HP-UX 11.23 PA-RISC (64 ビット)
- HP-UX 11.23 IA64 (64 ビット)
- HP-UX 11.31 PA-RISC (64 ビット)
- HP-UX 11.31 IA64 (64 ビット)

注: HP-UX 11 については、PHNE 27063 s700 800 11 ARPA Transport の累積パッチ以降を推奨します。このパッチは、HP-UX ライブラリのメモリの問題を解決します。

IBM AIX

- IBM AIX Version 5.3 (32 ビット、64 ビット)
- IBM AIX Version 6.1 (64 ビット)

Linux

- Red Hat Linux Advanced Server および Enterprise Server 4.0 (64 ビット、x64)
- Red Hat Linux Advanced Server および Enterprise Server 4.0 (32 ビット、x86)
- Red Hat Linux Enterprise Server 5.0 (32 ビット、x86)
- Red Hat Linux Enterprise Server 5.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 9.0 (32 ビット、x86)
- SUSE Linux Enterprise Server 9.0 (64 ビット、x64)
- SUSE Linux Enterprise Server 10.0 (32 ビット、x86)
- SUSE Linux Enterprise Server 10.0 (64 ビット、x64)

Solaris

注: SystemEDGE は、Solaris 10 オペレーティング システムのすべてのゾーン設定またはコンテナ設定をサポートしています。

- Solaris UltraSPARC 9 (32 ビット)
- Solaris UltraSPARC 9 (64 ビット)
- Solaris UltraSPARC 10 (64 ビット)

- Solaris 10 (32 ビット、x86)
- Solaris 10 (64 ビット、x64)

サポートされている仮想プラットフォーム用の外部ソフトウェア

CA Virtual Assurance で仮想管理機能を有効にするためには、環境内に仮想プラットフォーム用の外部ソフトウェアが必要です。CA Virtual Assurance は、以下の仮想環境を管理できます。

- VMware vCenter Server
- Solaris ゾーン
- Microsoft Hyper-V
- IBM AIX LPAR
- Cisco Unified Computing System (UCS)

これらの仮想環境を管理するためには、以下のコンポーネントが必要です。

- vCenter Server AIM
- Solaris ゾーン AIM
- Microsoft Hyper-V AIM
- LPAR AIM
- Cisco UCS AIM

注: Microsoft Hyper-V の場合、SystemEDGE および AIM は、各物理 Microsoft Hyper-V Server にインストールされる必要があります。

VMware vCenter Server

VMware vCenter Server の仮想管理を有効にするには、以下のいずれかのコンポーネントが環境内にインストールされていることを確認してください。

VMware ESX サーバ/VMware ESXi サーバ

VM セッションを作成するには、バージョン 3.5、4.0、4.1、または 5.0 が必要です。

注：ESX サーバおよび ESXi サーバをサポートするには、vCenter Server が ESX サーバまたは ESXi サーバを管理するように設定されている必要があります。

VMware vCenter Server

仮想マシンのクローンの作成とマイグレート、および VMware vSphere または仮想インフラストラクチャ環境の管理には、VMware vCenter Server version 4.0、4.1、または 5.0 が必要です。

注：VMware ツールによって VM が最適化されるので、VMware 環境内の各 VM に VMware ツールをインストールすることを強くお勧めします。VMware ツールがインストールされていない VM では、この製品の一部の機能が利用できないか、正しく動作しません。この理由により、VMware ツールがインストールされていない VM はサポートされていません。

Microsoft Hyper-V Server

Microsoft Hyper-V Server の仮想管理を有効にするには、環境内に以下のいずれかの製品が少なくとも 1 つインストールされていることを確認してください。

- Hyper-V Server 2008 R2 (64 ビット、x64)

注：予約マネージャは、Windows Server 2003 および Windows Server 2008 オペレーティングシステムの Hyper-V プロビジョニングをサポートします。

Oracle Solaris ゾーン

Oracle Solaris ゾーン サーバの仮想管理を有効にするには、環境内に以下のコンポーネントがインストールされていることを確認してください。

- Solaris ゾーンを管理するゾーン互換性を備えた Solaris 10

IBM Power VM（論理パーティション、LPAR）

IBM LPAR の仮想管理を有効にするには、環境内に以下のコンポーネントがインストールされていることを確認してください。

IBM AIX LPAR

IBM LPAR POWER5、POWER6、または POWER7 プラットフォームでは、AIX 上の論理パーティションおよびその管理対象システムをモニタできます。

IBM Hardware Management Console (HMC)

IBM POWER5 または POWER6 プラットフォームの論理パーティションを管理するには、HMC V7R3.5、V7R7.1、V7R7.2、または V7R7.3 をインストールします。

POWER7 をサポートするには、HMC V7R7.1 以上が必要です。

IBM Virtual I/O Server および Integrated Virtualization Manager (IVM)

IBM Virtual I/O Server (VIOS) を使用すると、IBM AIX POWER5、POWER6、および POWER7 の論理パーティションを設定できます。サポートされている VIOS のバージョンは、1.5、2.1、および 2.2 です。

Cisco Unified Computing System (UCS)

Cisco UCS の管理を有効にするには、環境内に以下の製品がインストールされていることを確認します。

- Cisco UCS 1.3、1.4、2.0

Exchange Server および Active Directory

Exchange Server および Active Directory のモニタリングを有効にするには、お使いの環境に以下の製品がインストールされていることを確認します。

- .Net 3.5 以降のバージョン
- Power shell v2.0
- AIM ホスト上に Exchange Management Tools SP3（Exchange Server 2007 のモニタリング用）

注：Exchange Management Tools SP3 は、Exchange Server 2010 のモニタリングには必要ありません。

第 3 章：新しい機能および拡張機能

このセクションには、以下のトピックが含まれています。

[バックアップとリストア](#) (P. 35)

[Cisco UCS](#) (P. 36)

[IBM LPAR](#) (P. 36)

[各国語のサポート](#) (P. 37)

[Microsoft Cluster Service \(MSCS\)](#) (P. 37)

[リモート展開](#) (P. 38)

[Exchange Server および Active Directory 用 AIM](#) (P. 39)

[ポリシー アクション](#) (P. 39)

[ポリシー設定](#) (P. 40)

[スケーラビリティのベスト プラクティス](#) (P. 40)

[アップグレード](#) (P. 41)

[ユーザ インターフェース](#) (P. 42)

[VMware vSphere のサポート](#) (P. 43)

バックアップとリストア

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

バックアップとリストアに関するドキュメント

「インストール ガイド」には、マネージャ ノードをバックアップおよびリストアする手順が説明されています。マネージャ ノードは以下のコンポーネントが含まれるすべてのサーバです。

- ドメイン サーバ
- 配布サーバ
- データベース
- EEM サーバ

Cisco UCS

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

ポート プロファイル

Cisco UCS Manager で作成されたポートプロファイルを VMware vCenter ポートグループにインポートすることができます。ポートプロファイルをインポートするには、vCenter 作成ウィザードを使用して、VMware vCenter ネットワークトポロジを定義します。ポートプロファイル ネットワークトポロジのアイテムの作成、更新、および削除を行うには、vCenter 作成ウィザードを使用します。

ブレードとホスト名の関連付け

ディスカバリおよびプロビジョニングが完了した後、ブレード上で実行している OS ホスト名が[リソース]、[サマリ]、[一般情報]に表示されるようになりました。

IBM LPAR

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

CPU およびメモリ リソース割り当て

[クイック スタート]パネルから、共有ベースの動的リソース割り当てを変更し、CPU およびメモリ設定のプロファイルを更新できます。

LPAR モニタリング

SystemEDGE は、LPAR モニタリング用に、機能拡張されたパフォーマンスメトリックを提供します。CA Performance LiteAgent を LPAR にインストールする必要はなくなりました。

IBM Integrated Virtualization Manager (IVM)

論理パーティションを管理するための HMC (Hardware Management Console) の廉価版です。仮想 I/O サーバ上で実行され、個別のハードウェアは必要ありません。

LPAR AIM および仮想 I/O サーバ

ユーザ インターフェースの[管理]タブにある LPAR AIM 設定が機能拡張され、仮想 I/O サーバの依存関係が考慮されるようになりました。ユーザ インターフェースは接続および状態について詳細を提供します。

各国語のサポート

CA Virtual Assurance リリース 12.6 は国際化されたリリースです。

関連項目

[国際化 \(i18n\)](#) (P. 17)

[ローカライゼーション \(L10n\)](#) (P. 21)

Microsoft Cluster Service (MSCS)

このリリースの CA Virtual Assurance では、以下の RSI 機能がサポートされます。

Microsoft Cluster Service (MSCS) との統合

CA Virtual Assurance は、1 つの AIM で実行される 1 つのモニタリングステーションから、複数のノードを持つ複数のクラスタを管理します。

MSCS CLI

CA Virtual Assurance は、MSCS 上で操作するための CLI コマンドを提供します。

関連項目

[CA Virtual Assurance AIM のオペレーティングシステム サポート](#) (P. 26)

リモート展開

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

Exchange および Active Directory AIM の展開のサポート

AIM の展開を可能にするデフォルトのパッケージ ラッパーを提供します。

展開レポート

指定の配布サーバの一定期間における展開ジョブ ステータスを取得するための新規レポートが追加されました。

ジョブ詳細パネルの更新

以下の機能に対してサポートを提供します。

- ページング (毎ページ 100 行)
- 列 (複数可) によるフィルタリング
- 列による並べ替え

Exchange Server および Active Directory 用 AIM

このリリースの CA Virtual Assurance では、以下のサポートが提供されます。

Exchange Server および Active Directory 用 AIM

Exchange Server および Active Directory 用 AIM を使用すると、クラウドおよび社内運用の両方のインフラストラクチャにおける Exchange Server 環境と Active Directory 環境をモニタできます。このリリースでは、以下がサポートされます。

- Microsoft Exchange Server 2007
- Microsoft Exchange Server 2010
- Microsoft Active Directory 2008

サポートされるオペレーティング システム

- Windows Server 2008 Standard、Enterprise、および Data Center Edition
- Windows Server 2008 R2 Standard、Enterprise、および Data Center Edition

注: このリリースの Exchange Server および Active Directory 用 AIM では、国際化はサポートされていません。

ポリシー アクション

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

Windows サービスの管理アクション タイプ

Windows サービスの管理アクション タイプを使用すると、AutoShell コマンドラインおよびスクリプト環境を使用して Windows サービスを制御できます。Windows サービスについて、開始、停止、またはステータスの取得が可能です。また、その起動タイプの変更、依存関係またはログイン アカウントの設定ができます。

[レポートの作成]アクション タイプ

[レポートの作成]アクション タイプを使用すると、自動的にレポートを作成できます。また、このアクションをスケジュールできます。

ポリシー設定

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

階層型テンプレートのサポート

階層型テンプレートを使用すると、SystemEDGE 設定に対して、ポリシーにインポートせずに追加のモニタリングを適用することが可能になります。テンプレートはベースポリシーの階層として適用され、ベースポリシーを適用する必要はありません。テンプレートは個別のサーバレベルまたはサービスレベルで適用できます。コミュニティやポートなどの制御設定はベースポリシーに残ります。テンプレートが適用されると、ポリシー設定は、テンプレートとベースポリシーを組み合わせて、指定したサーバの `sysedge.cf` ファイルに格納します。テンプレートでは、以下のような重要な設定項目に対応できます。

- しきい値モニタ
- プロセスおよびプロセスグループ モニタ
- ログファイル モニタ
- 履歴モニタ
- MIB 拡張

SystemEDGE 5.x 設定のインポート

SystemEDGE 5.x を管理対象外から管理対象にアップグレードした後、以前の設定をテンプレートまたはポリシーのいずれかとしてポリシー設定にインポートすることができます。

スケーラビリティのベスト プラクティス

このリリースの CA Virtual Assurance では、以下の RSI 機能がサポートされます。

スケーラビリティのベスト プラクティスドキュメント

ポリシー設定およびリモート展開のドキュメントに、スケーラビリティのベスト プラクティスと大規模環境での推奨事項が追加されました。

アップグレード

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

アップグレードに関するドキュメント

「インストール ガイド」には、CA Virtual Assurance のアップグレード手順が説明されています。以下の CA Virtual Assurance リリースをリリース 12.6 にアップグレードできます。

- CA Virtual Assurance リリース 12.0.2 (SP2)
- CA Virtual Assurance リリース 12.5

ユーザ インターフェース

ユーザ インターフェース ナビゲーションは、このリリースで大きく変更されました。ナビゲーションおよび機能の主な変更は、以下のとおりです。

機能の可用性

ユーザ インターフェースには、インストール済みコンポーネントおよび各種統合の機能のみ表示されます。

検索

アクションおよびリソースに関して、自然言語の検索機能が追加されました。検索には、検索エントリのオートコンプリート、および検索結果からの直接起動の機能が含まれます。また、検索されたオブジェクトに関するイベントおよびパフォーマンスも表示できます。

ダッシュボード

ダッシュボードは、共通のシステム関数に対する[クイック起動]パネル、[フィードバックの提供]と[CA サポート]のアクセスを含む[コミュニティアクセス]パネルを提供します。新しい[ジョブ]ペインでは、ジョブをバックグラウンドで実行できるため、ユーザは作業を継続できます。

[使用率]パネル、[分析]サブタブ

CPU、RAM、ディスク使用率などを追跡するため、VMware vSphere および Microsoft Hyper-V 用の[使用率]パネルが追加されました。[ダッシュボード]-[分析]を使用して、パネルにアクセスできます。

リソース

ユーザ インターフェースには、次のリソースが表示されます: データセンター、サービス、管理対象/対象外リソースを選択して右クリックすると、リソース固有のメニューが表示されます。コンテキスト ベースのメニューで、多くのタブが不要になります。

[クイック スタート]メニューのカスタマイズ

特定のコマンドを表示するために[クイック スタート]メニューをカスタマイズできます。

ヘルプ、マニュアル選択メニュー

使用するヘルプ システムの場所を選択することができます。

- ローカル ヘルプ (インストール済み)
- オンライン ヘルプ (最新: support.ca.com)

デフォルトはオンラインです。オフライン ヘルプは Web アクセスができないシステムで利用できます。

VMware vSphere のサポート

このリリースの CA Virtual Assurance では、以下の機能がサポートされています。

VMware vSphere 5.0

CA Virtual Assurance は VMware vSphere 5.0 環境を管理します。

vApp

CA Virtual Assurance は vApps 上で操作を実行できます。vApp は、VM のコレクションを単一のユニットとして扱う特有のリソースプールです。vApp 上での操作は vApp 内のすべての VM にプロパゲートされます。

マルチインスタンス

vCenter AIM は複数の vCenter Server を管理できます。

プロビジョニング後の VM のネットワーク接続

CA Virtual Assurance は、プロビジョニングされた VM のネットワーク接続を検証します。

関連項目

[CA Virtual Assurance AIM のオペレーティングシステム サポート](#) (P. 26)

第 4 章：パッチおよび発行済みの修正プログラム

このバージョンの製品で、パッチおよび発行済みの修正プログラムが利用可能な場合があります。CA サポート オンライン Web サイト (<http://supportconnect.ca.com>) にアクセスして、製品のインストールを進める前に、パッチをダウンロードするか、発行済みの修正プログラムを参照してください。パッチおよび発行済み修正プログラムは、Download Center の [Published Solutions] ペインから入手可能です。

この製品には、2011 年 5 月 20 日以前に発行されたメンテナンスがすべて含まれます。

このセクションには、以下のトピックが含まれています。

[SNMPv3 トラップの転送の問題 \(P. 45\)](#)

SNMPv3 トラップの転送の問題

CA Virtual Assurance の SNMPv3 トラップを正常に受信するには、CA NSM イベント マネージャを特定の方法で設定する必要があります。CA NSM イベント マネージャが適切に設定されていない場合、処理中のトラップが終了します。

重要: CA NSM 11.1 の場合: CA の修正プログラム Q099777 および Microsoft の修正プログラム 931565 を適用する必要があります。

CA NSM の問題の詳細については、CA サポート オンライン (<http://www.ca.com/jp/support/>) で修正プログラム番号 Q099777 を参照してください。[Technical Support]、[Download Center] の順にクリックし、[Quick Search] フィールドに修正プログラム番号 Q099777 を入力して、製品情報に関する報告を検索します。

また、Microsoft のサポート Web サイトでサポート技術情報の記事 931565 を検索する必要があります。この記事では、Windows Server 2003 ベースのコンピュータ上でサードパーティ製のセキュリティスキャンソフトウェアを実行したときに、WinSNMP アプリケーションが停止する状況について説明されています。

第 5 章：マニュアル

このセクションには、以下のトピックが含まれています。

[関連ドキュメント](#) (P. 47)

関連ドキュメント

CA Virtual Assurance のマニュアルは、次のマニュアルで構成されています。

管理ガイド

ユーザの環境の仮想リソースを管理するために、CA Virtual Assurance を管理および使用する方法を調査します。

インストール ガイド

簡単なアーキテクチャ情報、さまざまなインストール方法、インストール後の設定情報、および導入時の手順が含まれます。

オンライン ヘルプ

CA Virtual Assurance ユーザ インターフェースを使用するためのウィンドウの詳細、および手順の説明を提供します。

リファレンス ガイド

AutoShell、CLI コマンド、MIB 属性、およびパフォーマンス メトリックに関する詳細情報を提供します。

リリース ノート

オペレーティング システムのサポート、システム要件、発行済みの修正プログラム、各国語のサポート、既知の問題、およびドキュメント ロードマップに関する情報を提供します。

サービス レスポンス モニタリング ユーザ ガイド

SRM のインストールおよび設定の詳細について説明します。

SystemEDGE ユーザ ガイド

SystemEDGE のインストールおよび設定の詳細について説明します。

SystemEDGE リリース ノート

オペレーティング システムのサポート、システム要件、および機能に関する情報を提供します。

第 6 章：既知の問題

CA サポート オンライン上の *CA Virtual Assurance* リリースノートには、発行後に検出された問題およびその他の情報が記載されています。

最新バージョンのリリースノートについては、<http://www.ca.com/jp/support> にアクセスしてください。

1. CA サポート オンラインにログインします。
2. [Enterprise/Small and Medium Business]を選択します。
3. [Documentation]を選択します。
4. [Bookshelf]ドロップダウンリストから[CA Virtual Assurance Bookshelf]を選択して、[実行]をクリックします。
5. [Bookshelf]ウィンドウからリリース ノートを開きます。

このセクションには、以下のトピックが含まれています。

[「バックアップとリストアに関するドキュメント」に、64 ビットのレジストリ キーに関する記述がない](#) (P. 50)

[Exchange Server および Active Directory \(ESAD\) AIM の入手](#) (P. 51)

[製品のアップグレードがユーザ インターフェイスに反映されない](#) (P. 51)

[ログイン プロセスが遅い](#) (P. 52)

[IBM 論理パーティションの名前付け制限](#) (P. 53)

[AIX システム上での SystemEDGE インストーラのナビゲーションの問題](#) (P. 53)

[パフォーマンス チャートの LPAR レベルのメモリ使用率が 0 として表示される](#) (P. 54)

[vApp 内の同じ名前の仮想マシン](#) (P. 54)

「バックアップとリストアに関するドキュメント」に、64 ビットのレジストリ キーに関する記述がない

症状:

「インストール ガイド」の指示に従い、ディレクトリとデータをバックアップする場合、表記されているレジストリ キーは 64 ビット システムに対応していない

解決方法:

「ディレクトリとデータのバックアップ」セクションに記載されている製品および IDManager のインストール ディレクトリは、32 ビットのレジストリ キーにのみ対応しています。

以下のレジストリ キーを使用してください。

製品のインストール ディレクトリ

32 ビット:

"HKEY_LOCAL_MACHINE¥SOFTWARE¥ComputerAssociates¥DynamicProvisioningManager"

64 ビット:

"HKEY_LOCAL_MACHINE¥SOFTWARE¥Wow6432Node¥ComputerAssociates¥DynamicProvisioningManager"

IDManager のインストール ディレクトリ

32 ビット:

"HKEY_LOCAL_MACHINE¥SOFTWARE¥ComputerAssociates¥InfrastructureDeployment"

64 ビット:

"HKEY_LOCAL_MACHINE¥SOFTWARE¥Wow6432Node¥ComputerAssociates¥InfrastructureDeployment"

Exchange Server および Active Directory (ESAD) AIM の入手

症状:

ソフトウェア配布 (DVD) に Exchange Server および Active Directory AIM (ESAD) が含まれていない。

解決方法:

CA eHealth 製品によって認定された、最新の Exchange Server および Active Directory AIM (ESAD) は、<http://ca.com/support> から入手できます。ダウンロードでは、リモート展開により AIM をインストールする手順が示されます。

展開用に AIM を入手したら、CA Virtual Assurance ドキュメントの以下のセクションの手順に従います。

管理ガイド

- Exchange Server および Active Directory 用 AIM
- リソースのプロビジョニング、リモート展開

リリースノート

- 新しい機能および拡張機能、Exchange Server および Active Directory 用 AIM

製品のアップグレードがユーザ インターフェースに反映されない

症状:

CA Virtual Assurance を新バージョンにアップグレードしたのに、ユーザ インターフェースに反映されない。

解決方法:

アップグレード後、アップグレード前と同じブラウザ インスタンスを使用している場合、ユーザ インターフェースに新しいバージョンが反映されない可能性があります。ブラウザ セッションを閉じて新たに開き、ユーザ インターフェースにログインします。

ログインプロセスが遅い

症状:

ユーザ管理が **Active Directory** に接続する場合、ログイン プロセスに時間がかかる場合がある。

解決方法:

CA EEM は、デフォルトの LDAP ポート 389 を使用して、**Active Directory** をバインドできます。ログインに時間がかかる場合は、グローバル カタログ ポート 3268 に変更します。

次の手順に従ってください:

1. CA Embedded Entitlements Manager を開始します。

ログイン ページが表示されます。

2. アプリケーションとして「AIP」、ユーザとして「EiamAdmin」を選択し、ログインします。

ユーザ インターフェースが表示されます。

3. [設定] - [EEM サーバ]を選択します。

[EEM サーバ] ペインが表示されます。

4. [グローバル ユーザ]/[グローバル グループ]を選択します。

ユーザ インターフェースに[グローバル ユーザ]/[グローバル グループ]のプロパティが表示されます。

5. [ポート番号]を「3268」に変更し、[保存]をクリックします。

変更は直ちに有効になります。この変更後、いずれかのサービスをリサイクルする必要はありません。

IBM 論理パーティションの名前付け制限

症状:

論理パーティションの名前を指定しても、CA Virtual Assurance によってその名前がサポートされません。

解決方法:

IBM の LPAR 作成リクエストに使用する LPAR の名前は、大文字と小文字が区別されます。一方この製品では、名前の大文字小文字のみが異なる場合、同じ PowerVM サーバ内での 2 つの論理パーティションの管理がサポートされません。たとえば、以下の LPAR 名は PowerServer1 ではサポートされません。

LPAR1 と lpar1

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AIX システム上での SystemEDGE インストーラのナビゲーションの問題

症状:

AIX 6.1 および 7.1 に SystemEDGE をインストールすると、lsm (UNIX インストーラ) テキスト ユーザ インターフェースのナビゲーションが動作しません。この問題は、Advanced Encryption および SRM AIM でも発生します。

解決方法:

他の UNIX オペレーティングシステムおよび古い AIX バージョン上での場合と異なり、TERM が (通常の) xterm の値に設定されていると、AIX 6.1 および 7.1 上では lsm テキスト ユーザ インターフェースのナビゲーションが機能しません。Java ベースのグラフィカル lsm UI を使用すると、この問題は発生しません。

回避策としては、インストールを開始する前に TERM を別の値 (たとえば vt100) に設定し、[+] および [-] キーを使用してナビゲートするか、または、(PuTTY の場合のみ) アプリケーション カーソル キー モードを無効にするよう設定します。

パフォーマンス チャートの LPAR レベルのメモリ使用率が 0 として表示される

症状:

LPAR レベルのメモリ使用率をモニタすると、パフォーマンス チャートに 0 と表示される

解決方法:

メモリが共有モードで使用されている、つまり、メモリが仮想化されている場合、プラットフォームはメモリ使用率のメトリックのみを提供します。

専用メモリについては、使用率のメトリックを収集できないため、使用率の値としてチャートには 0 が表示されます。

vApp 内の同じ名前の仮想マシン

症状:

同じ vApp 内に同じ仮想マシン名で仮想マシンを作成すると、その仮想マシンは正しく検出されません。

解決方法:

同じ vApp には、同じ VM 名で複数の仮想マシンを作成しないでください。この制限は、直属の親が同じである場合のみ、同じ名前の仮想マシンに適用されます。たとえば、vApp "TestVApp" の下に、"TestVM" という名前の仮想マシンを 2 つ作成することはできません。ただし、vApp "TestVApp" に "TestVApp1" および "TestVApp2" という名前の 2 つの vApp がある場合、TestVApp1 の下に仮想マシン "TestVM" を作成し、TestVApp2 の下に別の "TestVM" を作成することはできます。

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ActiveMQ 5.4.2

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```
/*****
*****/
```

```
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* httpd@ncsa.uiuc.edu
*
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* -----
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For the src/lib¥apr-util¥xml¥expat¥conf/tools¥install-sh component:

#

install - install a program, script, or datafile

This comes from X11R5 (mit/util/scripts/install.sh).

#

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```
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Written by: Philip Hazel <ph10@cam.ac.uk>

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For the test¥zb.c component:

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

For the expat xml parser component:

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hash.c: chained hash tables

Reference: Your favorite introductory book on algorithms

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list.c: lists handling implementation

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@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen

@author Antoon Bosselaers

@author Paulo Barreto

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Written by: Philip Hazel

Email local part: ph10

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Mersenne Twister¶

The `_random` module includes code based on a download from <http://www.math.keio.ac.jp/matsumoto/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.

Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)` or `init_by_array(init_key, key_length)`.

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Any feedback is very welcome.

<http://www.math.keio.ac.jp/matumoto/emt.html>

email: matumoto@math.keio.ac.jp

Sockets¶

The socket module uses the functions, `getaddrinfo()`, and `getnameinfo()`, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>.

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MD5 message digest algorithm¶

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L. Peter Deutsch

ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.

- Arguments more compliant with python standard

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