



# Alteon Application Switch Operating System Web Based Management Quick Start

**Software Version 30.1.0**

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### **Safety Instructions**

#### **CAUTION**

A readily accessible disconnect device shall be incorporated in the building installation wiring.

Due to the risks of electrical shock, and energy, mechanical, and fire hazards, any procedures that involve opening panels or changing components must be performed by qualified service personnel only.

To reduce the risk of fire and electrical shock, disconnect the device from the power line before removing cover or panels.

The following figure shows the caution label that is attached to Radware platforms with dual power supplies.

**Figure 1: Electrical Shock Hazard Label**

CAUTION	ATTENTION
This unit has more than one power supply. Disconnect all power supplies before maintenance to avoid electric shock.	Cette unité a plus d'une source d'alimentation électrique. Débranchez toutes les sources d'alimentations électriques avant toute maintenance pour éviter les chocs électriques.

**DUAL-POWER-SUPPLY-SYSTEM SAFETY WARNING IN CHINESE**

The following figure is the warning for Radware platforms with dual power supplies.

**Figure 2: Dual-Power-Supply-System Safety Warning in Chinese**

本设备有两个电源供电，未避免电击危险，操作时需要加倍小心。  
只有当这两个电源完全断开时才可以安全操作

Translation of [Dual-Power-Supply-System Safety Warning in Chinese](#):

This unit has more than one power supply. Disconnect all power supplies before maintenance to avoid electric shock.

**SERVICING**

Do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. There are no serviceable parts inside the unit.

**HIGH VOLTAGE**

Any adjustment, maintenance, and repair of the opened instrument under voltage must be avoided as much as possible and, when inevitable, must be carried out only by a skilled person who is aware of the hazard involved.

Capacitors inside the instrument may still be charged even if the instrument has been disconnected from its source of supply.

**GROUNDING**

Before connecting this device to the power line, the protective earth terminal screws of this device must be connected to the protective earth in the building installation.

**LASER**

This equipment is a Class 1 Laser Product in accordance with IEC60825 - 1: 1993 + A1:1997 + A2:2001 Standard.

**FUSES**

Make sure that only fuses with the required rated current and of the specified type are used for replacement. The use of repaired fuses and the short-circuiting of fuse holders must be avoided. Whenever it is likely that the protection offered by fuses has been impaired, the instrument must be made inoperative and be secured against any unintended operation.

**LINE VOLTAGE**

Before connecting this instrument to the power line, make sure the voltage of the power source matches the requirements of the instrument. Refer to the Specifications for information about the correct power rating for the device.

48V DC-powered platforms have an input tolerance of 36-72V DC.

#### SPECIFICATION CHANGES

Specifications are subject to change without notice.



**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15B of the FCC Rules and EN55022 Class A, EN 55024; EN 61000-3-2; EN 61000-3-3; IEC 61000 4-2 to 4-6, IEC 61000 4-8 and IEC 61000-4-11 For CE MARK Compliance. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user is required to correct the interference at his own expense.

#### SPECIAL NOTICE FOR NORTH AMERICAN USERS

For North American power connection, select a power supply cord that is UL Listed and CSA Certified 3 - conductor, [18 AWG], terminated in a molded on plug cap rated 125 V, [10 A], with a minimum length of 1.5m [six feet] but no longer than 4.5m...For European connection, select a power supply cord that is internationally harmonized and marked "<HAR>", 3 - conductor, 0,75 mm<sup>2</sup> minimum mm<sup>2</sup> wire, rated 300 V, with a PVC insulated jacket. The cord must have a molded on plug cap rated 250 V, 3 A.

#### RESTRICT AREA ACCESS

The DC powered equipment should only be installed in a Restricted Access Area.

#### INSTALLATION CODES

This device must be installed according to country national electrical codes. For North America, equipment must be installed in accordance with the US National Electrical Code, Articles 110 - 16, 110 -17, and 110 -18 and the Canadian Electrical Code, Section 12.

#### INTERCONNECTION OF UNITS

Cables for connecting to the unit RS232 and Ethernet Interfaces must be UL certified type DP-1 or DP-2. (Note- when residing in non LPS circuit)

#### OVERCURRENT PROTECTION

A readily accessible listed branch-circuit over current protective device rated 15 A must be incorporated in the building wiring for each power input.

#### REPLACEABLE BATTERIES

If equipment is provided with a replaceable battery, and is replaced by an incorrect battery type, then an explosion may occur. This is the case for some Lithium batteries and the following is applicable:

- If the battery is placed in an **Operator Access Area**, there is a marking close to the battery or a statement in both the operating and service instructions.
- If the battery is placed elsewhere in the equipment, there is a marking close to the battery or a statement in the service instructions.

This marking or statement includes the following text warning:

#### CAUTION

**RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT BATTERY TYPE.  
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

Caution – To Reduce the Risk of Electrical Shock and Fire

1. This equipment is designed to permit connection between the earthed conductor of the DC supply circuit and the earthing conductor equipment. See Installation Instructions.
2. All servicing must be undertaken only by qualified service personnel. There are not user serviceable parts inside the unit.

3. DO NOT plug in, turn on or attempt to operate an obviously damaged unit.
4. Ensure that the chassis ventilation openings in the unit are NOT BLOCKED.
5. Replace a blown fuse ONLY with the same type and rating as is marked on the safety label adjacent to the power inlet, housing the fuse.
6. Do not operate the device in a location where the maximum ambient temperature exceeds 40°C/104°F.
7. Be sure to unplug the power supply cord from the wall socket BEFORE attempting to remove and/or check the main power fuse.  
CLASS 1 LASER PRODUCT AND REFERENCE TO THE MOST RECENT LASER STANDARDS IEC 60825-1:1993 + A1:1997 + A2:2001 AND EN 60825-1:1994+A1:1996+ A2:2001

AC units for Denmark, Finland, Norway, Sweden (marked on product):

- Denmark - "Unit is class I - unit to be used with an AC cord set suitable with Denmark deviations. The cord includes an earthing conductor. The Unit is to be plugged into a wall socket outlet which is connected to a protective earth. Socket outlets which are not connected to earth are not to be used!"
- Finland - (Marking label and in manual) - "Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaan"
- Norway (Marking label and in manual) - "Apparatet må tilkoples jordet stikkontakt"
- Unit is intended for connection to IT power systems for Norway only.
- Sweden (Marking label and in manual) - "Apparaten skall anslutas till jordat uttag."

To connect the power connection:

1. Connect the power cable to the main socket, located on the rear panel of the device.
2. Connect the power cable to the grounded AC outlet.

#### CAUTION

Risk of electric shock and energy hazard. Disconnecting one power supply disconnects only one power supply module. To isolate the unit completely, disconnect all power supplies.

### Instructions de sécurité

#### AVERTISSEMENT

Un dispositif de déconnexion facilement accessible sera incorporé au câblage du bâtiment.

En raison des risques de chocs électriques et des dangers énergétiques, mécaniques et d'incendie, chaque procédure impliquant l'ouverture des panneaux ou le remplacement de composants sera exécutée par du personnel qualifié.

Pour réduire les risques d'incendie et de chocs électriques, déconnectez le dispositif du bloc d'alimentation avant de retirer le couvercle ou les panneaux.

La figure suivante montre l'étiquette d'avertissement apposée sur les plateformes Radware dotées de plus d'une source d'alimentation électrique.

**Figure 3: Étiquette d'avertissement de danger de chocs électriques**

CAUTION	ATTENTION
This unit has more than one power supply. Disconnect all power supplies before maintenance to avoid electric shock.	Cette unité a plus d'une source d'alimentation électrique. Débranchez toutes les sources d'alimentations électriques avant toute maintenance pour éviter les chocs électriques.

**AVERTISSEMENT DE SÉCURITÉ POUR LES SYSTÈMES DOTÉS DE DEUX SOURCES D'ALIMENTATION ÉLECTRIQUE (EN CHINOIS)**

La figure suivante représente l'étiquette d'avertissement pour les plateformes Radware dotées de deux sources d'alimentation électrique.

**Figure 4: Avertissement de sécurité pour les systèmes dotés de deux sources d'alimentation électrique (en chinois)**

本设备有两个电源供电，未避免电击危险，操作时需要加倍小心。  
只有当这两个电源完全断开时才可以安全操作

Traduction de la [Avertissement de sécurité pour les systèmes dotés de deux sources d'alimentation électrique \(en chinois\)](#):

Cette unité est dotée de plus d'une source d'alimentation électrique. Déconnectez toutes les sources d'alimentation électrique avant d'entretenir l'appareil ceci pour éviter tout choc électrique.

**ENTRETIEN**

N'effectuez aucun entretien autre que ceux répertoriés dans le manuel d'instructions, à moins d'être qualifié en la matière. Aucune pièce à l'intérieur de l'unité ne peut être remplacée ou réparée.

**HAUTE TENSION**

Tout réglage, opération d'entretien et réparation de l'instrument ouvert sous tension doit être évité. Si cela s'avère indispensable, confiez cette opération à une personne qualifiée et consciente des dangers impliqués.

Les condensateurs au sein de l'unité risquent d'être chargés même si l'unité a été déconnectée de la source d'alimentation électrique.

**MISE A LA TERRE**

Avant de connecter ce dispositif à la ligne électrique, les vis de protection de la borne de terre de cette unité doivent être reliées au système de mise à la terre du bâtiment.

**LASER**

Cet équipement est un produit laser de classe 1, conforme à la norme IEC60825 - 1: 1993 + A1: 1997 + A2: 2001.

**FUSIBLES**

Assurez-vous que, seuls les fusibles à courant nominal requis et de type spécifié sont utilisés en remplacement. L'usage de fusibles réparés et le court-circuitage des porte-fusibles doivent être évités. Lorsqu'il est pratiquement certain que la protection offerte par les fusibles a été détériorée, l'instrument doit être désactivé et sécurisé contre toute opération involontaire.

**TENSION DE LIGNE**

Avant de connecter cet instrument à la ligne électrique, vérifiez que la tension de la source d'alimentation correspond aux exigences de l'instrument. Consultez les spécifications propres à l'alimentation nominale correcte du dispositif.

Les plateformes alimentées en 48 CC ont une tolérance d'entrée comprise entre 36 et 72 V CC.

#### MODIFICATIONS DES SPÉCIFICATIONS

Les spécifications sont sujettes à changement sans notice préalable.

**Remarque:** Cet équipement a été testé et déclaré conforme aux limites définies pour un appareil numérique de classe A, conformément au paragraphe 15B de la réglementation FCC et EN55022 Classe A, EN 55024, EN 61000-3-2; EN 61000-3-3; IEC 61000 4-2 to 4-6, IEC 61000 4-8, et IEC 61000-4-11, pour la marque de conformité de la CE. Ces limites sont fixées pour fournir une protection raisonnable contre les interférences nuisibles, lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre des fréquences radio et, s'il n'est pas installé et utilisé conformément au manuel d'instructions, peut entraîner des interférences nuisibles aux communications radio. Le fonctionnement de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, auquel cas l'utilisateur devra corriger le problème à ses propres frais.

#### NOTICE SPÉCIALE POUR LES UTILISATEURS NORD-AMÉRICAINS

Pour un raccordement électrique en Amérique du Nord, sélectionnez un cordon d'alimentation homologué UL et certifié CSA 3 - conducteur, [18 AWG], muni d'une prise moulée à son extrémité, de 125 V, [10 A], d'une longueur minimale de 1,5 m [six pieds] et maximale de 4,5m...Pour la connexion européenne, choisissez un cordon d'alimentation mondialement homologué et marqué "<HAR>", 3 - conducteur, câble de 0,75 mm<sup>2</sup> minimum, de 300 V, avec une gaine en PVC isolée. La prise à l'extrémité du cordon, sera dotée d'un sceau moulé indiquant: 250 V, 3 A.

#### ZONE A ACCÈS RESTREINT

L'équipement alimenté en CC ne pourra être installé que dans une zone à accès restreint.

#### CODES D'INSTALLATION

Ce dispositif doit être installé en conformité avec les codes électriques nationaux. En Amérique du Nord, l'équipement sera installé en conformité avec le code électrique national américain, articles 110-16, 110 -17, et 110 -18 et le code électrique canadien, Section 12.

#### INTERCONNEXION DES UNITÉS

Les câbles de connexion à l'unité RS232 et aux interfaces Ethernet seront certifiés UL, type DP-1 ou DP-2. (Remarque- s'ils ne résident pas dans un circuit LPS).

#### PROTECTION CONTRE LES SURCHARGES

Un circuit de dérivation, facilement accessible, sur le dispositif de protection du courant de 15 A doit être intégré au câblage du bâtiment pour chaque puissance consommée.

#### BATTERIES REMPLAÇABLES

Si l'équipement est fourni avec une batterie, et qu'elle est remplacée par un type de batterie incorrect, elle est susceptible d'exploser. C'est le cas pour certaines batteries au lithium, les éléments suivants sont donc applicables:

- Si la batterie est placée dans une zone d'accès opérateur, une marque est indiquée sur la batterie ou une remarque est insérée, aussi bien dans les instructions d'exploitation que d'entretien.
- Si la batterie est placée ailleurs dans l'équipement, une marque est indiquée sur la batterie ou une remarque est insérée dans les instructions d'entretien.

Cette marque ou remarque inclut l'avertissement textuel suivant:

#### AVERTISSEMENT

**RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UN MODÈLE INCORRECT.  
METTRE AU REBUT LES BATTERIES CONFORMÉMENT AUX INSTRUCTIONS.**



Attention - Pour réduire les risques de chocs électriques et d'incendie

1. Cet équipement est conçu pour permettre la connexion entre le conducteur de mise à la terre du circuit électrique CC et l'équipement de mise à la terre. Voir les instructions d'installation.
2. Tout entretien sera entrepris par du personnel qualifié. Aucune pièce à l'intérieur de l'unité ne peut être remplacée ou réparée.
3. NE branchez pas, n'allumez pas ou n'essayez pas d'utiliser une unité manifestement endommagée.
4. Vérifiez que l'orifice de ventilation du châssis dans l'unité n'est PAS OBSTRUE.
5. Remplacez le fusible endommagé par un modèle similaire de même puissance, tel qu'indiqué sur l'étiquette de sécurité adjacente à l'arrivée électrique hébergeant le fusible.
6. Ne faites pas fonctionner l'appareil dans un endroit, où la température ambiante dépasse la valeur maximale autorisée. 40°C/104°F.
7. Débranchez le cordon électrique de la prise murale AVANT d'essayer de retirer et/ou de vérifier le fusible d'alimentation principal.

PRODUIT LASER DE CLASSE 1 ET RÉFÉRENCE AUX NORMES LASER LES PLUS RÉCENTES: IEC 60 825-1: 1993 + A1: 1997 + A2: 2001 ET EN 60825-1: 1994+A1: 1996+ A2: 2001

Unités à CA pour le Danemark, la Finlande, la Norvège, la Suède (indiqué sur le produit):

- Danemark - Unité de classe 1 - qui doit être utilisée avec un cordon CA compatible avec les déviations du Danemark. Le cordon inclut un conducteur de mise à la terre. L'unité sera branchée à une prise murale, mise à la terre. Les prises non-mises à la terre ne seront pas utilisées!
- Finlande (Étiquette et inscription dans le manuel) - Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaan
- Norvège (Étiquette et inscription dans le manuel) - Apparatet må tilkoples jordet stikkontakt
- L'unité peut être connectée à un système électrique IT (en Norvège uniquement).
- Suède (Étiquette et inscription dans le manuel) - Apparatet skall anslutas till jordat uttag.

Pour brancher à l'alimentation électrique:

1. Branchez le câble d'alimentation à la prise principale, située sur le panneau arrière de l'unité.
2. Connectez le câble d'alimentation à la prise CA mise à la terre.

#### AVERTISSEMENT

Risque de choc électrique et danger énergétique. La déconnexion d'une source d'alimentation électrique ne débranche qu'un seul module électrique. Pour isoler complètement l'unité, débranchez toutes les sources d'alimentation électrique.

#### ATTENTION

Risque de choc et de danger électriques. Le débranchement d'une seule alimentation stabilisée ne débranche qu'un module "Alimentation Stabilisée". Pour Isoler complètement le module en cause, il faut débrancher toutes les alimentations stabilisées.

Attention: Pour Réduire Les Risques d'Électrocution et d'Incendie

1. Toutes les opérations d'entretien seront effectuées UNIQUEMENT par du personnel d'entretien qualifié. Aucun composant ne peut être entretenu ou remplacé par l'utilisateur.
2. NE PAS connecter, mettre sous tension ou essayer d'utiliser une unité visiblement défectueuse.
3. Assurez-vous que les ouvertures de ventilation du châssis NE SONT PAS OBSTRUÉES.
4. Remplacez un fusible qui a sauté SEULEMENT par un fusible du même type et de même capacité, comme indiqué sur l'étiquette de sécurité proche de l'entrée de l'alimentation qui contient le fusible.
5. NE PAS UTILISER l'équipement dans des locaux dont la température maximale dépasse 40 degrés Centigrades.

6. Assurez vous que le cordon d'alimentation a été déconnecté AVANT d'essayer de l'enlever et/ou vérifier le fusible de l'alimentation générale.

## Sicherheitsanweisungen

### VORSICHT

Die Elektroinstallation des Gebäudes muss ein unverzüglich zugängliches Stromunterbrechungsgerät integrieren.

Aufgrund des Stromschlagrisikos und der Energie-, mechanische und Feuergefahr dürfen Vorgänge, in deren Verlauf Abdeckungen entfernt oder Elemente ausgetauscht werden, ausschließlich von qualifiziertem Servicepersonal durchgeführt werden.

Zur Reduzierung der Feuer- und Stromschlaggefahr muss das Gerät vor der Entfernung der Abdeckung oder der Paneele von der Stromversorgung getrennt werden.

Folgende Abbildung zeigt das VORSICHT-Etikett, das auf die Radware-Plattformen mit Doppelspeisung angebracht ist.

**Figure 5: Warnetikett Stromschlaggefahr**

CAUTION	ATTENTION
This unit has more than one power supply. Disconnect all power supplies before maintenance to avoid electric shock.	Cette unité a plus d'une source d'alimentation électrique. Débranchez toutes les sources d'alimentations électriques avant toute maintenance pour éviter les chocs électriques.

### SICHERHEITSHINWEIS IN CHINESISCHER SPRACHE FÜR SYSTEME MIT DOPPELSPEISUNG

Die folgende Abbildung ist die Warnung für Radware-Plattformen mit Doppelspeisung.

**Figure 6: Sicherheitshinweis in chinesischer Sprache für Systeme mit Doppelspeisung**

本设备有两个电源供电，未避免电击危险，操作时需要加倍小心。  
只有当这两个电源完全断开时才可以安全操作

Übersetzung von [Sicherheitshinweis in chinesischer Sprache für Systeme mit Doppelspeisung](#):

Die Einheit verfügt über mehr als eine Stromversorgungsquelle. Ziehen Sie zur Verhinderung von Stromschlag vor Wartungsarbeiten sämtliche Stromversorgungsleitungen ab.

### WARTUNG

Führen Sie keinerlei Wartungsarbeiten aus, die nicht in der Betriebsanleitung angeführt sind, es sei denn, Sie sind dafür qualifiziert. Es gibt innerhalb des Gerätes keine wartungsfähigen Teile.

### HOCHSPANNUNG

Jegliche Einstellungs-, Instandhaltungs- und Reparaturarbeiten am geöffneten Gerät unter Spannung müssen so weit wie möglich vermieden werden. Sind sie nicht vermeidbar, dürfen sie ausschließlich von qualifizierten Personen ausgeführt werden, die sich der Gefahr bewusst sind.

Innerhalb des Gerätes befindliche Kondensatoren können auch dann noch Ladung enthalten, wenn das Gerät von der Stromversorgung abgeschnitten wurde.

### ERDUNG

Bevor das Gerät an die Stromversorgung angeschlossen wird, müssen die Schrauben der Erdungsleitung des Gerätes an die Erdung der Gebäudeverkabelung angeschlossen werden.

#### LASER

Dieses Gerät ist ein Laser-Produkt der Klasse 1 in Übereinstimmung mit IEC60825 - 1: 1993 + A1:1997 + A2:2001 Standard.

#### SICHERUNGEN

Vergewissern Sie sich, dass nur Sicherungen mit der erforderlichen Stromstärke und der angeführten Art verwendet werden. Die Verwendung reparierter Sicherungen sowie die Kurzschließung von Sicherungsfassungen muss vermieden werden. In Fällen, in denen wahrscheinlich ist, dass der von den Sicherungen gebotene Schutz beeinträchtigt ist, muss das Gerät abgeschaltet und gegen unbeabsichtigten Betrieb gesichert werden.

#### LEITUNGSSPANNUNG

Vor Anschluss dieses Gerätes an die Stromversorgung ist zu gewährleisten, dass die Spannung der Stromquelle den Anforderungen des Gerätes entspricht. Beachten Sie die technischen Angaben bezüglich der korrekten elektrischen Werte des Gerätes.

Plattformen mit 48 V DC verfügen über eine Eingangstoleranz von 36-72 V DC.

#### ÄNDERUNGEN DER TECHNISCHEN ANGABEN

Änderungen der technischen Spezifikationen bleiben vorbehalten.

**Hinweis:** Dieses Gerät wurde geprüft und entspricht den Beschränkungen von digitalen Geräten der Klasse 1 gemäß Teil 15B FCC-Vorschriften und EN55022 Klasse A, EN55024; EN 61000-3-2; EN; IEC 61000 4-2 to 4-6, IEC 61000 4-8 und IEC 61000-4- 11 für Konformität mit der CE-Bezeichnung. Diese Beschränkungen dienen dem angemessenen Schutz vor schädlichen Interferenzen bei Betrieb des Gerätes in kommerziellem Umfeld. Dieses Gerät erzeugt, verwendet und strahlt elektromagnetische Hochfrequenzstrahlung aus. Wird es nicht entsprechend den Anweisungen im Handbuch montiert und benutzt, könnte es mit dem Funkverkehr interferieren und ihn beeinträchtigen. Der Betrieb dieses Gerätes in Wohnbereichen wird höchstwahrscheinlich zu schädlichen Interferenzen führen. In einem solchen Fall wäre der Benutzer verpflichtet, diese Interferenzen auf eigene Kosten zu korrigieren.

#### BESONDERER HINWEIS FÜR BENUTZER IN NORDAMERIKA

Wählen Sie für den Netzstromanschluss in Nordamerika ein Stromkabel, das in der UL aufgeführt und CSA-zertifiziert ist 3 Leiter, [18 AWG], endend in einem gegossenen Stecker, für 125 V, [10 A], mit einer Mindestlänge von 1,5 m [sechs Fuß], doch nicht länger als 4,5 m. Für europäische Anschlüsse verwenden Sie ein international harmonisiertes, mit "<HAR>" markiertes Stromkabel, mit 3 Leitern von mindestens 0,75 mm<sup>2</sup>, für 300 V, mit PVC-Umkleidung. Das Kabel muss in einem gegossenen Stecker für 250 V, 3 A enden.

#### BEREICH MIT EINGESCHRÄNKTEM ZUGANG

Das mit Gleichstrom betriebene Gerät darf nur in einem Bereich mit eingeschränktem Zugang montiert werden.

#### INSTALLATIONSCODES

Dieses Gerät muss gemäß der landesspezifischen elektrischen Codes montiert werden. In Nordamerika müssen Geräte entsprechend dem US National Electrical Code, Artikel 110 - 16, 110 - 17 und 110 - 18, sowie dem Canadian Electrical Code, Abschnitt 12, montiert werden.

**VERKOPPLUNG VON GERÄTEN** Kabel für die Verbindung des Gerätes mit RS232- und Ethernet- müssen UL-zertifiziert und vom Typ DP-1 oder DP-2 sein. (Anmerkung: bei Aufenthalt in einem nicht-LPS-Stromkreis)

#### ÜBERSTROMSCHUTZ

Ein gut zugänglicher aufgeführter Überstromschutz mit Abzweigstromkreis und 15 A Stärke muss für jede Stromeingabe in der Gebäudeverkabelung integriert sein.

## AUSTAUSCHBARE BATTERIEN

Wird ein Gerät mit einer austauschbaren Batterie geliefert und für diese Batterie durch einen falschen Batterietyp ersetzt, könnte dies zu einer Explosion führen. Dies trifft zu für manche Arten von Lithiumsbatterien zu, und das folgende gilt es zu beachten:

- Wird die Batterie in einem Bereich für Bediener eingesetzt, findet sich in der Nähe der Batterie eine Markierung oder Erklärung sowohl im Betriebshandbuch als auch in der Wartungsanleitung.
- Ist die Batterie an einer anderen Stelle im Gerät eingesetzt, findet sich in der Nähe der Batterie eine Markierung oder einer Erklärung in der Wartungsanleitung.

Diese Markierung oder Erklärung enthält den folgenden Warntext:

### VORSICHT

#### **EXPLOSIONSGEFAHR, FALLS BATTERIE DURCH EINEN FALSCHEN BATTERIETYP ERSETZT WIRD. GEBRAUCHTE BATTERIEN DEN ANWEISUNGEN ENTSPRECHEND ENTSORGEN.**

- Denmark - "Unit is class I - mit Wechselstromkabel benutzen, dass für die Abweichungen in Dänemark eingestellt ist. Das Kabel ist mit einem Erdungsdraht versehen. Das Kabel wird in eine geerdete Wandsteckdose angeschlossen. Keine Steckdosen ohne Erdungsleitung verwenden!"
- Finland - (Markierungsetikett und im Handbuch) - Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaan
- Norway - (Markierungsetikett und im Handbuch) - Apparatet må tilkoples jordet stikkontakt Ausschließlich für Anschluss an IT-Netzstromsysteme in Norwegen vorgesehen
- Sweden - (Markierungsetikett und im Handbuch) - Apparatet skall anslutas till jordat uttag.

Anschluss des Stromkabels:

1. Schließen Sie das Stromkabel an den Hauptanschluss auf der Rückseite des Gerätes an.
2. Schließen Sie das Stromkabel an den geerdeten Wechselstromanschluss an.

### VORSICHT

Stromschlag- und Energiegefahr Die Trennung einer Stromquelle trennt nur ein Stromversorgungsmodul von der Stromversorgung. Um das Gerät komplett zu isolieren, muss es von der gesamten Stromversorgung getrennt werden.

Vorsicht - Zur Reduzierung der Stromschlag- und Feuergefahr

1. Dieses Gerät ist dazu ausgelegt, die Verbindung zwischen der geerdeten Leitung des Gleichstromkreises und dem Erdungsleiter des Gerätes zu ermöglichen. Siehe Montageanleitung.
2. Wartungsarbeiten jeglicher Art dürfen nur von qualifiziertem Servicepersonal ausgeführt werden. Es gibt innerhalb des Gerätes keine vom Benutzer zu wartenden Teile.
3. Versuchen Sie nicht, ein offensichtlich beschädigtes Gerät an den Stromkreis anzuschließen, einzuschalten oder zu betreiben.
4. Vergewissern Sie sich, dass die Lüftungsöffnungen im Gehäuse des Gerätes NICHT BLOCKIERT SIND.
5. Ersetzen Sie eine durchgebrannte Sicherung ausschließlich mit dem selben Typ und von der selben Stärke, die auf dem Sicherheitsetikett angeführt sind, das sich neben dem Stromkabelanschluss, am Sicherungsgehäuse.
6. Betreiben Sie das Gerät nicht an einem Standort, an dem die Höchsttemperatur der Umgebung 40°C überschreitet.
7. Vergewissern Sie sich, das Stromkabel aus dem Wandstecker zu ziehen, BEVOR Sie die Hauptsicherung entfernen und/oder prüfen.

## Electromagnetic-Interference Statements

The following statements are presented in English, French, and German.

### Electromagnetic-Interference Statements

#### SPECIFICATION CHANGES

Specifications are subject to change without notice.



**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15B of the FCC Rules and EN55022 Class A, EN 55024; EN 61000-3-2; EN 61000-3-3; IEC 61000 4-2 to 4-6, IEC 61000 4-8 and IEC 61000-4-11 For CE MARK Compliance. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user is required to correct the interference at his own expense.

#### VCCI ELECTROMAGNETIC-INTERFERENCE STATEMENTS

**Figure 7: Statement for Class A VCCI-certified Equipment**

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

Translation of [Statement for Class A VCCI-certified Equipment](#):

This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may occur, in which case, the user may be required to take corrective action.

**Figure 8: Statement for Class B VCCI-certified Equipment**

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。 VCCI-B

Translation of [Statement for Class B VCCI-certified Equipment](#):

This is a Class B product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference.

Install and use the equipment according to the instruction manual.

KCC KOREA

**Figure 9: KCC—Korea Communications Commission Certificate of Broadcasting and Communication Equipment**



**Figure 10: Statement For Class A KCC-certified Equipment in Korean**

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Translation of [Statement For Class A KCC-certified Equipment in Korean](#):

This equipment is Industrial (Class A) electromagnetic wave suitability equipment and seller or user should take notice of it, and this equipment is to be used in the places except for home.

BSMI

**Figure 11: Statement for Class A BSMI-certified Equipment**

這是甲類的資訊產品，在居住的環境使用中時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Translation of [Statement for Class A BSMI-certified Equipment](#):

This is a Class A product, in use in a residential environment, it may cause radio interference in which case the user will be required to take adequate measures.

## Déclarations sur les Interférences Électromagnétiques

### MODIFICATIONS DES SPÉCIFICATIONS

Les spécifications sont sujettes à changement sans notice préalable.

**Remarque:** Cet équipement a été testé et déclaré conforme aux limites définies pour un appareil numérique de classe A, conformément au paragraphe 15B de la réglementation FCC et EN55022 Classe A, EN 55024, EN 61000-3-2; EN 61000-3-3; IEC 61000 4-2 to 4-6, IEC 61000 4-8, et IEC 61000-4-11, pour la marque de conformité de la CE. Ces limites sont fixées pour fournir une protection raisonnable contre les interférences nuisibles, lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre des fréquences radio et, s'il n'est pas installé et utilisé conformément au manuel d'instructions, peut entraîner des interférences nuisibles aux communications radio. Le fonctionnement de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, auquel cas l'utilisateur devra corriger le problème à ses propres frais.

## DÉCLARATIONS SUR LES INTERFÉRENCES ÉLECTROMAGNÉTIQUES VCCI

**Figure 12: Déclaration pour l'équipement de classe A certifié VCCI**

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A

Traduction de la [Déclaration pour l'équipement de classe A certifié VCCI](#):

Il s'agit d'un produit de classe A, basé sur la norme du Voluntary Control Council for Interference by Information Technology Equipment (VCCI). Si cet équipement est utilisé dans un environnement domestique, des perturbations radioélectriques sont susceptibles d'apparaître. Si tel est le cas, l'utilisateur sera tenu de prendre des mesures correctives.

**Figure 13: Déclaration pour l'équipement de classe B certifié VCCI**

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

Traduction de la [Déclaration pour l'équipement de classe B certifié VCCI](#):

Il s'agit d'un produit de classe B, basé sur la norme du Voluntary Control Council for Interference by Information Technology Equipment (VCCI). S'il est utilisé à proximité d'un poste de radio ou d'une télévision dans un environnement domestique, il peut entraîner des interférences radio.

Installez et utilisez l'équipement selon le manuel d'instructions.

KCC Corée

**Figure 14: KCC—Certificat de la commission des communications de Corée pour les équipements de radiodiffusion et communication.**



**Figure 15: Déclaration pour l'équipement de classe A certifié KCC en langue coréenne**

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.



Translation de la [Déclaration pour l'équipement de classe A certifié KCC en langue coréenne](#):

Cet équipement est un matériel (classe A) en adéquation aux ondes électromagnétiques et le vendeur ou l'utilisateur doit prendre cela en compte. Ce matériel est donc fait pour être utilisé ailleurs qu' à la maison.

BSMI

**Figure 16: Déclaration pour l'équipement de classe A certifié BSMI**

這是甲類的資訊產品，在居住的環境使用中時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Translation de la [Déclaration pour l'équipement de classe A certifié BSMI](#):

Il s'agit d'un produit de Classe A; utilisé dans un environnement résidentiel il peut provoquer des interférences, l'utilisateur devra alors prendre les mesures adéquates.

## **Erklärungen zu Elektromagnetischer Interferenz**

### **ÄNDERUNGEN DER TECHNISCHEN ANGABEN**

Änderungen der technischen Spezifikationen bleiben vorbehalten.

**Hinweis:** Dieses Gerät wurde geprüft und entspricht den Beschränkungen von digitalen Geräten der Klasse 1 gemäß Teil 15B FCC-Vorschriften und EN55022 Klasse A, EN55024; EN 61000-3-2; EN; IEC 61000 4-2 to 4-6, IEC 61000 4-8 und IEC 61000-4- 11 für Konformität mit der CE-Bezeichnung. Diese Beschränkungen dienen dem angemessenen Schutz vor schädlichen Interferenzen bei Betrieb des Gerätes in kommerziellem Umfeld. Dieses Gerät erzeugt, verwendet und strahlt elektromagnetische Hochfrequenzstrahlung aus. Wird es nicht entsprechend den Anweisungen im Handbuch montiert und benutzt, könnte es mit dem Funkverkehr interferieren und ihn beeinträchtigen. Der Betrieb dieses Gerätes in Wohnbereichen wird höchstwahrscheinlich zu schädlichen Interferenzen führen. In einem solchen Fall wäre der Benutzer verpflichtet, diese Interferenzen auf eigene Kosten zu korrigieren.

### **ERKLÄRUNG DER VCCI ZU ELEKTROMAGNETISCHER INTERFERENZ**

**Figure 17: Erklärung zu VCCI-zertifizierten Geräten der Klasse A**

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

Übersetzung von [Erklärung zu VCCI-zertifizierten Geräten der Klasse A](#):

Dies ist ein Produkt der Klasse A gemäß den Normen des Voluntary Control Council for Interference by Information Technology Equipment (VCCI). Wird dieses Gerät in einem Wohnbereich benutzt, können elektromagnetische Störungen auftreten. In einem solchen Fall wäre der Benutzer verpflichtet, korrigierend einzugreifen.

**Figure 18: Erklärung zu VCCI-zertifizierten Geräten der Klasse B**

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。 VCCI-B

Übersetzung von [Erklärung zu VCCI-zertifizierten Geräten der Klasse B](#):

Dies ist ein Produkt der Klasse B gemäß den Normen des Voluntary Control Council for Interference by Information Technology Equipment (VCCI). Wird dieses Gerät in einem Wohnbereich benutzt, können elektromagnetische Störungen auftreten.

Montieren und benutzen Sie das Gerät laut Anweisungen im Benutzerhandbuch.

KCC KOREA

**Figure 19: KCC—Korea Communications Commission Zertifikat für Rundfunk-und Nachrichtentechnik****Figure 20: Erklärung zu KCC-zertifizierten Geräten der Klasse A**

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Übersetzung von [Erklärung zu KCC-zertifizierten Geräten der Klasse A](#):

Verkäufer oder Nutzer sollten davon Kenntnis nehmen, daß dieses Gerät der Klasse A für industriell elektromagnetische Wellen geeignete Geräten angehört und dass diese Geräte nicht für den heimischen Gebrauch bestimmt sind.

BSMI

**Figure 21: Erklärung zu BSMI-zertifizierten Geräten der Klasse A**

這是甲類的資訊產品，在居住的環境使用中時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Übersetzung von [Erklärung zu BSMI-zertifizierten Geräten der Klasse A](#):

Dies ist ein Class A Produkt, bei Gebrauch in einer Wohnumgebung kann es zu Funkstörungen kommen, in diesem Fall ist der Benutzer verpflichtet, angemessene Maßnahmen zu ergreifen.

## Altitude and Climate Warning

This warning only applies to The People's Republic of China.

1. 对于在非热带气候条件下运行的设备而言，Tma：为制造商规范允许的最大环境温度，或者为 25° C，采用两者中的较大者。
2. 关于在海拔不超过 2000m 或者在非热带气候地区使用的设备，附加警告要求如下：

关于在海拔不超过 2000m 的地区使用的设备，必须在随时可见的位置处粘贴包含如下内容或者类似用语的警告标记、或者附件 DD 中的符号。

“只可在海拔不超过 2000m 的位置使用。”



关于在非热带气候地区使用的设备，必须在随时可见的位置处粘贴包含如下内容的警告标记：



附件 DD：有关新安全警告标记的说明。

### DD.1 海拔警告标记



标记含义：设备的评估仅基于 2000m 以下的海拔高度，因此设备只适用于该运行条件。如果在海拔超过 2000m 的位置使用设备，可能会存在某些安全隐患。







### DD.2 气候警告标记



标记含义：设备的评估仅基于温带气候条件，因此设备只适用于该运行条件。如果在热带气候地区使用设备，可能会存在某些安全隐患。

## Document Conventions

The following describes the conventions and symbols that this guide uses:

Item	Description	Description	Beschreibung
 <b>Example</b>	An example scenario	Un scénario d'exemple	Ein Beispielszenarium
 <b>Caution:</b>	Possible damage to equipment, software, or data	Endommagement possible de l'équipement, des données ou du logiciel	Mögliche Schäden an Gerät, Software oder Daten
 <b>Note:</b>	Additional information	Informations complémentaires	Zusätzliche Informationen
 <b>To</b>	A statement and instructions	Références et instructions	Eine Erklärung und Anweisungen
 <b>Tip:</b>	A suggestion or workaround	Une suggestion ou solution	Ein Vorschlag oder eine Umgehung
 <b>Warning:</b>	Possible physical harm to the operator	Blessure possible de l'opérateur	Verletzungsgefahr des Bedieners

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# Chapter 1 – Preface

This guide provides an overview of how to access and use the Alteon Web Based Management interface. This guide is intended for network installers and system administrators who configure and maintain a network. It assumes familiarity with Alteon, Web browsers, Ethernet concepts, and IP addressing.

## ***Related Documentation***

- *Alteon Application Switch Operating System Release Notes*
- *Radware Alteon Maintenance and Installation Guide*
- *Alteon Application Switch Operating System Application Guide*
- *Alteon Application Switch Operating System Command Reference*
- *Alteon Application Switch Operating System Troubleshooting Guide*
- *Alteon Application Switch AppShape++™ Reference Guide*
- *FastView for Alteon User Guide*
- *AppWall for Alteon User Guide*





## Chapter 2 – Getting Started

This chapter briefly describes the software features and requirements for the Alteon Web Based Management interface and explains how to access the interface start page. It contains the following topics:

- [Overview, page 31](#)
- [Basic Alteon Setup, page 31](#)
- [Accessing the Alteon Web Based Management Interface, page 32](#)

### Overview

The Alteon Web Based Management interface provides an intuitive and easy-to-use graphical user interface for configuring and monitoring Alteon.

You can access the Alteon Web Based Management interface from any workstation through an HTTPS connection using a frame-capable Web browser such as:

- On Microsoft® Windows OS:
  - Internet Explorer
  - Mozilla Firefox
  - Google Chrome
- On Mac OS: Google Chrome

Radware recommends that you use the latest version of your browser.

### Basic Alteon Setup

Some basic configuration is required before you can access the Alteon Web Based Management interface. This section describes the required configuration steps.

- [Configure IP Address, page 31](#)
- [Enable HTTPS, page 31](#)

#### Configure IP Address

You must configure at least one IP interface for Alteon from the CLI during initial installation. The IP address can be configured either on the dedicated management port (using the `/cfg/sys/mgmt` command), or as an IP interface on any of the data VLANs.

For more information about configuring the management port or IP interfaces, see the *Alteon Application Switch Operating System Application Guide*.

#### Enable HTTPS

Use the `/cfg/sys/access/https ena` command to enable HTTPS on Alteon from the CLI.

## Accessing the Alteon Web Based Management Interface

This section describes how to set up and access the Alteon Web Based Management interface, and contains the following topics:

- [Web Browser Setup, page 32](#)
- [Logging In, page 32](#)

### Web Browser Setup

Frames and JavaScript are enabled by default in most Web browsers. If problems are encountered accessing the Alteon Web Based Management interface, refer to the Web browser's configuration to ensure these two items are enabled.



**Note:** JavaScript is not the same as Java. Make sure that JavaScript is enabled in your Web browser.

### Logging In

This section describes how to log into the Alteon Web Based Management interface.



#### To log into the Alteon Web Based Management interface

1. Connect to Alteon using HTTPS.
2. In your Web browser, enter the IP address or name assigned to the Alteon platform in the local domain.
3. Enter the user name and password in the fields provided.
4. Click **OK**.

## Chapter 3 – Alteon Web Based Management Interface Basics

This chapter contains information about the components and global features of the Alteon Web Based Management interface. This section describes the following topics:

- [Interface Components, page 33](#)
- [Working with Alteon Web Based Management Interface Tables, page 44](#)
- [vADC Web Interface Quick Access, page 48](#)
- [Success and Failure Messages for Apply or Save Operations, page 49](#)

### Interface Components

The Alteon Web Based Management interface contains the following components:

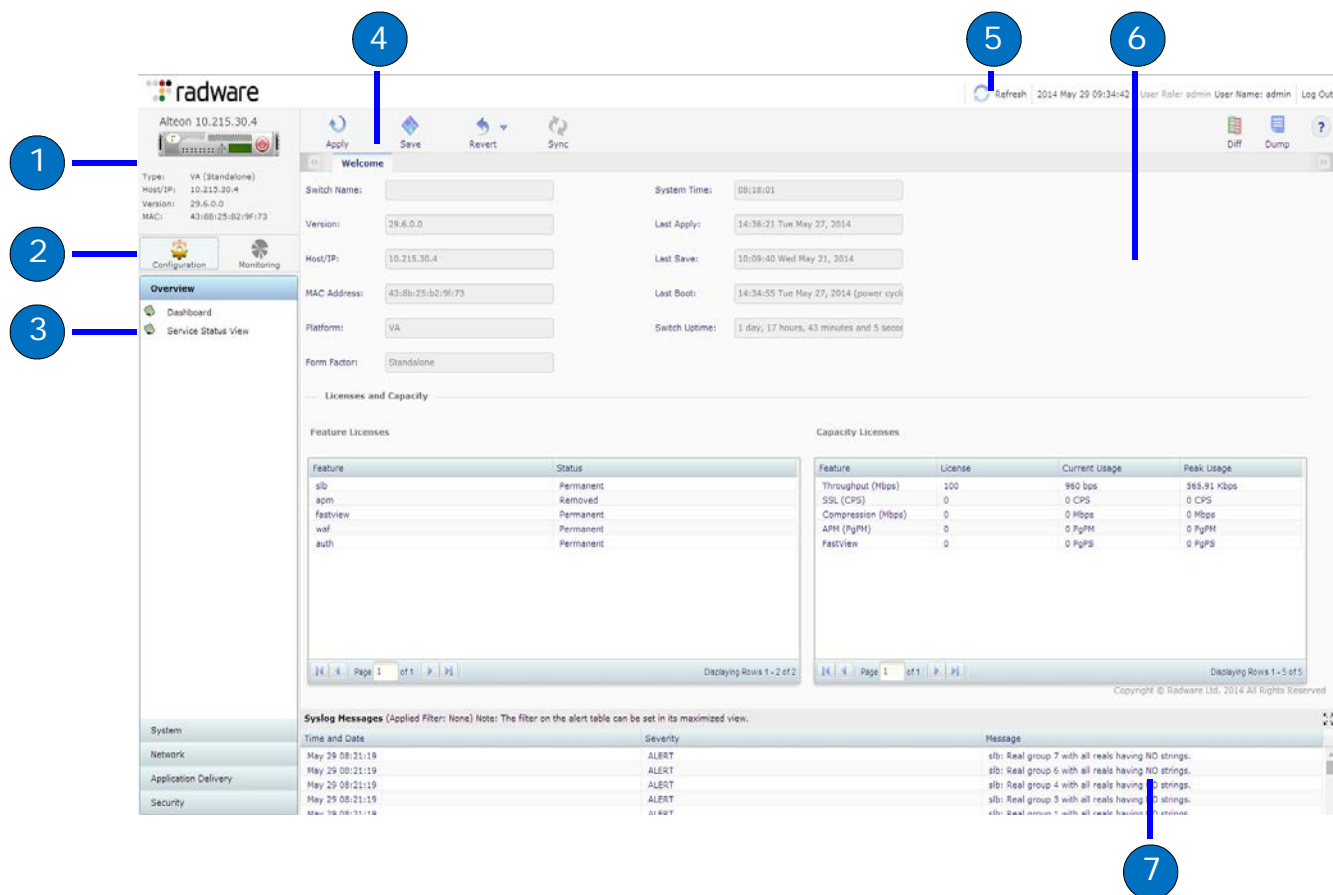
- Alteon properties pane ([1 in Figure 1](#))—See [Alteon Properties Panel, page 34](#).
- Local toolbar ([4](#))—See [Local Toolbar, page 35](#).
- Global toolbar ([5](#))—See [Global Toolbar, page 36](#).
- Perspectives buttons ([2](#)) and capabilities nodes ([3](#))—See [Perspectives Buttons and Capabilities Nodes, page 36](#).
- Working area ([6](#))—See [Working Area, page 41](#).
- Syslog Messages table ([7](#))—See [Syslog Messages Table, page 42](#).

[Alteon Web Based Management Interface Components, page 34](#) shows a sample Alteon Web Based Management interface screen.



**Note:** Disable pop-up blocking in your Web browser.

Figure 1: Alteon Web Based Management Interface Components



**Note:** The options available in the Alteon Web Based Management interface vary according to your Alteon platform and mode.

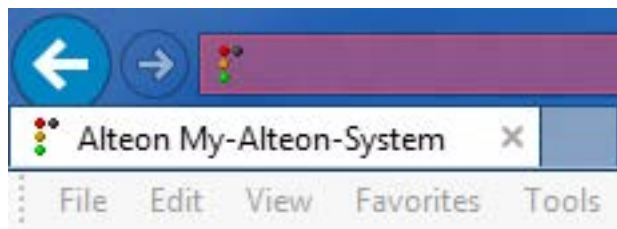
## Alteon Properties Panel

The Alteon properties panel (1 in Figure 1) displays the following information:

- System name (if configured at **Configuration > SNMP**), or Alteon management IP address



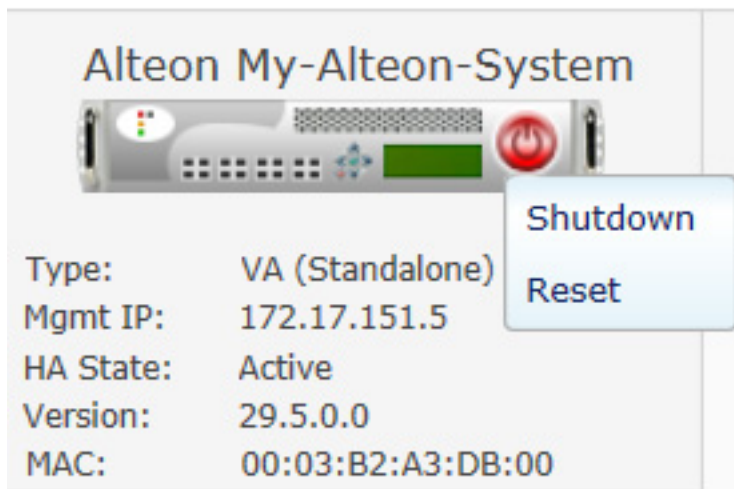
**Note:** A configured system name also displays in your browser tab. For example:



- Platform—VA or physical platform indicator
- Form factor—VX, standalone, or vADC

- Alteon management IP address
- High Availability status—Hold Off, Initializing, Active on both peers, Standby, Active, or None
- Alteon software version
- Platform MAC address







The Alteon properties panel also includes a red button for system shutdown or reset. Click the button to access these options.






## Local Toolbar

The local toolbar ([4 in Figure 1](#)) contains icons that perform the following functions:

**Table 1: Local Toolbar Icons**

Icon	Description
	Applies pending configuration changes to the running configuration. All changes are applied immediately to the running configuration.
	Indicates an <b>Apply</b> operation is required. Displays after a configuration change is made from this interface, or from any other Alteon Web Based Management interface or CLI session.
	Saves applied configuration changes to memory. Changes that have not been saved to memory are lost after Alteon reboots.
	Indicates a <b>Save</b> operation is required. Displays when the <b>Diff Flash</b> option is not empty, meaning that there are differences between the running configuration and the configuration saved in memory.
	Includes the following options: <ul style="list-style-type: none"> <li>• Revert—Discards any pending configuration changes.</li> <li>• Revert Apply—Discards any configuration changes that have not yet been saved to memory.</li> </ul>
	Synchronizes Alteon with any enabled peers. Available only when there is at least one peer enabled.

**Table 1: Local Toolbar Icons (cont.)**

Icon	Description
	Includes the following options: <ul style="list-style-type: none"><li>Diff—Provides a list of pending configuration changes. The list displays a change record for each submitted update. The list is cleared when configuration changes are updated or discarded. The list includes configuration changes made from this interface, or from any other Alteon Web Based Management interface or CLI session.</li><li>Diff Flash—Displays the configuration differences between the running configuration and the configuration saved in memory.</li></ul>
	Displays a detailed output of the running configuration. You can optionally include private keys in the output, and show or save the output.
	Displays the online help page relevant to the current Alteon Web Based Management interface screen.



**Note:** Configuration changes are applied in chronological precedence when multiple administrators apply changes. Configuration changes applied after another configuration change always take precedence.

## Global Toolbar

The global toolbar ([5 in Figure 1](#)) contains the following items:

- Refresh icon
- System date and time
- User role and name
- Logout link

## Perspectives Buttons and Capabilities Nodes

The Alteon Web Based Management interface includes two perspectives—*Configuration* and *Monitoring* ([2 in Figure 1](#)).

Each perspective has its own icon, as follows:

Configuration



Monitoring



Each contains a selection of capabilities nodes.



**Note:** The perspective contents vary according to your Alteon platform and mode.

This section describes the following topics:

- [Configuration Perspective Options, page 37](#)
- [Monitoring Perspective Options, page 39](#)



## Configuration Perspective Options

The *Configuration* perspective includes the following capabilities nodes:

- Overview—See [Table 2 - Configuration Perspective: Overview Nodes, page 37](#).
- System—See [Table 3 - Configuration Perspective: System Nodes, page 37](#).
- Network—See [Table 4 - Configuration Perspective: Network Nodes, page 38](#).
- vADC—See [Table 5 - Configuration Perspective: vADC Nodes, page 38](#).
- Application Delivery—See [Table 6 - Configuration Perspective: Application Delivery Nodes, page 38](#).
- Security—See [Table 7 - Configuration Perspective: Security Nodes, page 39](#).

**Table 2: Configuration Perspective: Overview Nodes**

Node	Purpose
Dashboard	Displays the Alteon dashboard for easy visibility of system real-time status and statistics, and for performing capacity planning.  <b>Note:</b> The dashboard displays in a new Web browser view.
Service Status View	Displays summary and detailed status views for virtual services, server groups, real servers, and content rules.  <b>Note:</b> The service status displays in a new Web browser view.

**Table 3: Configuration Perspective: System Nodes**

Node	Purpose
Management Access	Set management parameters for ports, protocols, traffic routing, and access control.
Users	Set local user profiles, and RADIUS and TACACS+ authentication settings for remote Alteon users.
SNMP	Set SNMP settings, including SNMPv3 parameters.
Logging and Alerts	Set log display and other settings for syslog, SNMP traps, session logging, license alert thresholds, SMTP, and CPU alerts.
DNS Client	Set DNS client IP version, IP address, and default domain name.
Time and Date	Set system time and date parameters.
Licensing	Set a new license string, and view information about currently installed licenses.
Version Management	Manage Alteon images, upload image software to Alteon, and transform an Alteon ADC-VX to a standalone, or vice versa.
Configuration Management	Import or export Alteon configuration.
Device Performance Management	Enable and disable performance monitoring, and set the Alteon port for sending performance monitoring data. Available via APSolute Vision only

**Table 4: Configuration Perspective: Network Nodes**

Node	Purpose
Physical Ports	Set and view port parameters, enable and disable port mirroring, and set the SLB state of each port.
Layer 2	Set static trunk groups, groups of LACP ports, the ports and trunks in a port team, and VLANs for vADC environments.
Layer 3	Set IP interfaces, view allowed networks in vADC environments, set the default gateway and metric, set IPv4 and IPv6 static routes, set dynamic routing parameters, set static ARP parameters, and enable and disable BOOTP relay, and set BOOTP relay IP addresses.
Proxy IP	Set proxy IP parameters, including port or VLAN associations, and IPv4 or IPv6 addresses.
High Availability	Set parameters for high availability network topologies using the Virtual Router Redundancy Protocol (VRRP).
Bandwidth Management (requires a separate license)	Set traffic bandwidth limits for different types of traffic, set contracts to assign bandwidths per application, and set groups of contracts to aggregate contract resources and share unused bandwidth within the contract group.

**Table 5: Configuration Perspective: vADC Nodes**

Node	Purpose
vADC (available in the vADC Administrator environment)	Manage vADCs hosted by ADC-VX, and view acceleration resources.

**Table 6: Configuration Perspective: Application Delivery Nodes**

Node	Purpose
Virtual Services	Set parameters for real and virtual servers, server groups, content classes and Layer 7 strings for content switching, health checks for verifying content accessibility, port settings, and AppShape++ for customizing application delivery using user-written scripts.
Application Services	Set parameters for HTTP caching and compression, SSL certificate and client authentication, NAT rules for media portal servers, and FlexiRules for control over Alteon SIP traffic.
Web Security	Access AppWall for Alteon Web security components that provide a scalable, manageable solution for securing Web Applications.  <b>Note:</b> AppWall for Alteon requires that you install Java. After you provide your Alteon login details, a wizard guides you through the Java installation procedure.
Filters	Set parameters for redirecting data to Web cache servers, and load balancing among the cache servers, for creating pattern matching groups, and for enabling and disabling IDS load balancing on ports.

**Table 6: Configuration Perspective: Application Delivery Nodes (cont.)**

Node	Purpose
Global Traffic Redirection (requires a separate license)	Enable and disable global traffic redirection, set parameters for DNS, HTTP, HTTPS, and DSSP redirection, create remote sites and rules for selecting them, and set DNSSEC parameters.
Port Processing	Set SLB states for each port.
Network Classes	Set the ID, name, and IP version of a network class for traffic classification.
Data Classes	Set the ID, name, and type of a data class for searching within a list of values.
Advanced (inbound link load balancing requires a separate license)	Set parameters for inbound link load balancing of data from an external client, for working with the IBM Enterprise Workload Management tool, for load balancing Wireless Application Protocol (WAP) traffic among available parallel servers, and set the destination ports for which Alteon does not perform server processing for server-initiated connections.

**Table 7: Configuration Perspective: Security Nodes**

Node	Purpose
Security Settings	Set the rate threshold for security logging.
Port Protection	Set IP addresses for an access control list (ACL), port numbers and packet rates for UDP blast protection, and denial-of-service prevention parameters.
SYN Protection	Set SYN denial-of-service detection parameters.

### Monitoring Perspective Options

The *Monitoring* perspective includes the following capabilities nodes:

- Overview—See [Table 8 - Monitoring Perspective: Overview Nodes, page 40](#)
- System—See [Table 9 - Monitoring Perspective: System Nodes, page 40](#).
- Network—See [Table 10 - Monitoring Perspective: Network Nodes, page 40](#).
- vADC—See [Table 11 - Monitoring Perspective: vADC Nodes, page 40](#).
- Application Delivery—See [Table 12 - Monitoring Perspective: Application Delivery Nodes, page 41](#).

**Table 8: Monitoring Perspective: Overview Nodes**

Node	Purpose
Dashboard	Displays the Alteon dashboard for easy visibility of system real-time status and statistics, and for performing capacity planning. <b>Note:</b> Disable pop-up blocking in your Web browser to view the dashboard.
Service Status View	Displays summary and detailed status views for virtual services, server groups, real servers, and content rules. <b>Note:</b> The service status view may take up to 15 seconds to load.

**Table 9: Monitoring Perspective: System Nodes**

Node	Purpose
General Information	View platform name and activity time, and system hardware information.
CPU Utilization	View CPU and memory statistics for management processors and platform processors.
Capacity (available in the vADC Administrator environment and for standalone)	View maximum and current statistics for real servers, server groups, virtual servers, and virtual services.
Maintenance	Export technical support data (with or without private keys), perform and export packet captures, and enable and disable trace logging for application services.

**Table 10: Monitoring Perspective: Network Nodes**

Node	Purpose
Physical Ports (available in the vADC Administrator environment in ADC-VX mode)	Enable and disable physical ports, and view port interface statistics.
Layer 3 (available only in the vADC Administrator environment in ADC-VX mode)	View IP forwarding database statistics from the ARP cache and neighbor cache, and view the status of each virtual router.

**Table 11: Monitoring Perspective: vADC Nodes**

Node	Purpose
vADC (available in the vADC Administrator environment)	View settings for vADCs hosted by ADC-VX.

**Table 12: Monitoring Perspective: Application Delivery Nodes**

Node	Purpose
Virtual Service	Enable and disable real servers, edit server groups and assign health checks, and monitor virtual servers and content-based rules. View statistics for real servers, groups, and virtual services, and change the operational status of a real server.
AppShape++	View AppShape++ script statistics.
Application Services	View and purge HTTP cache statistics per virtual server and virtual service, and purge the OCSP cache.
Filters	View filter status information.

## Working Area

The working area ([6 in Figure 1](#)) displays the configuration and monitoring options available for the selected tab.

Information is displayed according to horizontal tabs along the top of the working area. A new horizontal tab opens when you add or edit information in the working area.

Use the **Submit** button to submit configuration changes. [Figure 2 - Working Area: Submit Button, page 41](#) shows the location of the **Submit** button.

**Figure 2: Working Area: Submit Button**

The screenshot shows the Radware web management interface. The left sidebar contains a tree view with categories like System, Network, Application Delivery, and Security. The 'Management Ports' tab is selected. The main content area shows configuration options for Management Ports, including IP Assignment (DHCP or Manual), DHCP Timeout, and a table for Management Port 1 with IPv4 and IPv6 settings. At the bottom of the configuration area, a 'Submit' button is highlighted with a red box and a red arrow. Below the configuration area is a log table showing system messages.

Time and Date	Severity	Message
Nov 13 14:56:04	WARNING	cli: Unable to validate server certificate WebManagementCert: certificate is not yet valid
Nov 13 14:56:04	NOTICE	system: link up on port 1
Nov 13 14:56:04	NOTICE	system: link up on port 2
Nov 13 14:56:04	CRIT	system: The MP CPU Utilization has reached above 80%
Nov 13 14:56:04	CRIT	system: At least one of the SP CPU Utilization has reached above 80%

Changes are lost if a new window is selected, or the session ends, without submitting the information. Most configuration changes are part of the pending configuration until applied. Changes to user names and passwords take effect immediately following submission, and do not need to be applied against the running configuration.

After clicking **Submit**, the **Apply Required** icon displays:



. Click to apply your changes.

## Syslog Messages Table

The **Syslog Messages** table ([7 in Figure 1](#)) displays a list of recent Alteon system log messages.

### Changing the Syslog Messages Table Display Size

Use the **Maximize** button to increase the display size and to perform searches on the table. [Figure 3 - Syslog Messages Table: Maximize Button, page 43](#) shows the location of the **Maximize** button.

Use the **Minimize** button to return the display to its default size. [Figure 4 - Syslog Messages Table: Minimize Button, page 44](#) shows the location of the **Minimize** button.



**Note:** If you search the table after maximizing its size, the search results remain visible after you minimize it.

Figure 3: Syslog Messages Table: Maximize Button

Apply Save Revert Svc Diff Dump ?

**Management Ports**

Port Settings

IP Assignment: ☐ DHCP ☒ Manual

DHCP Timeout:  Sec.

☒ Enable Management Ports 1

Management Port 1	IPv4	IPv6
IP Address:	<input type="text" value="172.17.151.5"/>	<input type="text"/>
Mask/Prefix:	<input type="text" value="255.255.0.0"/>	<input type="text" value="0"/>
Default Gateway:	<input type="text" value="172.17.1.1"/>	<input type="text"/>

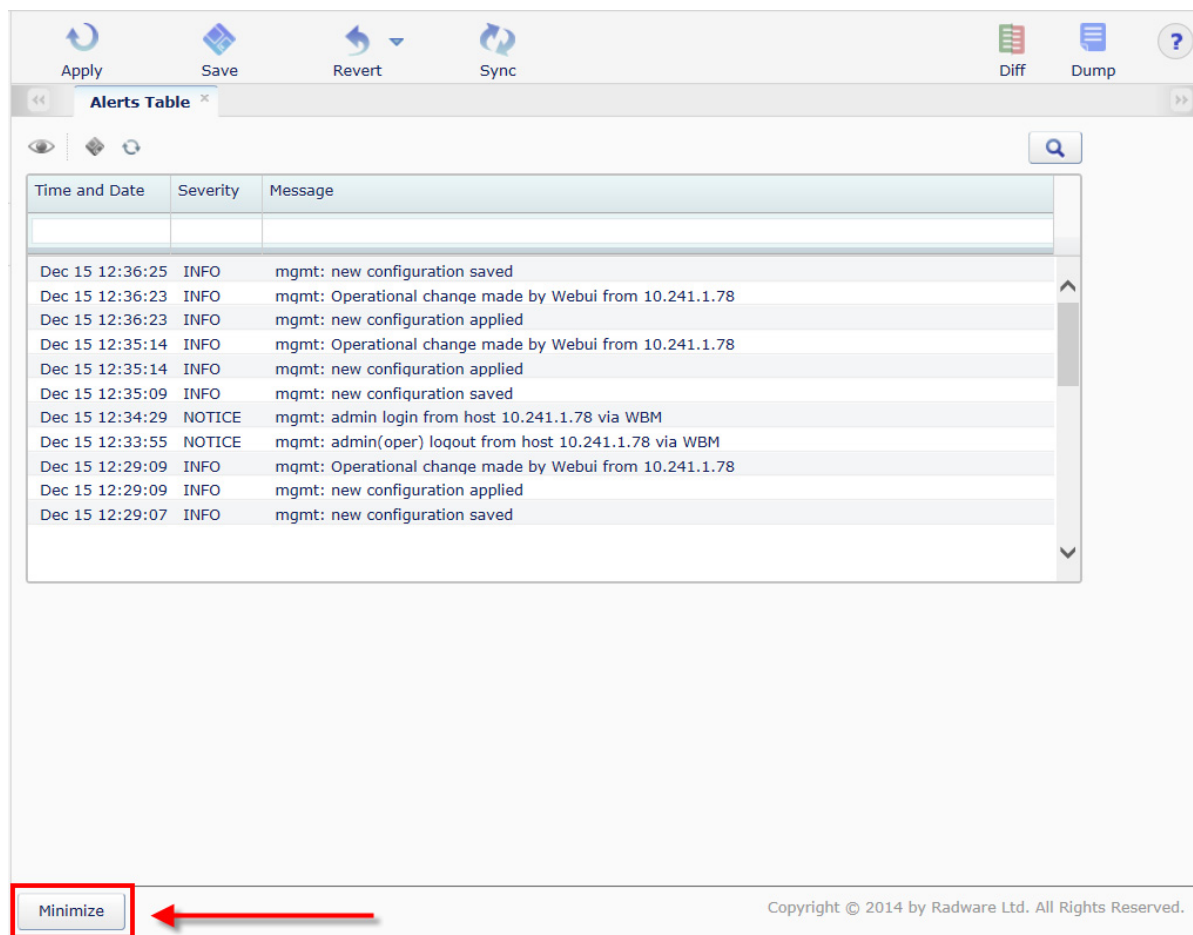
Submit

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Applied Filter: None

Time and Date	Severity	Message
Nov 13 14:56:04	WARNING	cli: Unable to validate server certificate WebManagementCert: certificate is not yet valid
Nov 13 14:56:04	NOTICE	system: link up on port 1
Nov 13 14:56:04	NOTICE	system: link up on port 2
Nov 13 14:56:04	CRIT	system: The MP CPU Utilization has reached above 80%
Nov 13 14:56:04	CRIT	system: At least one of the SP CPU Utilization has reached above 80%

Figure 4: Syslog Messages Table: Minimize Button



## Working with Alteon Web Based Management Interface Tables

This section describes the most common icons and features of the tables in the Alteon Web Based Management interface.

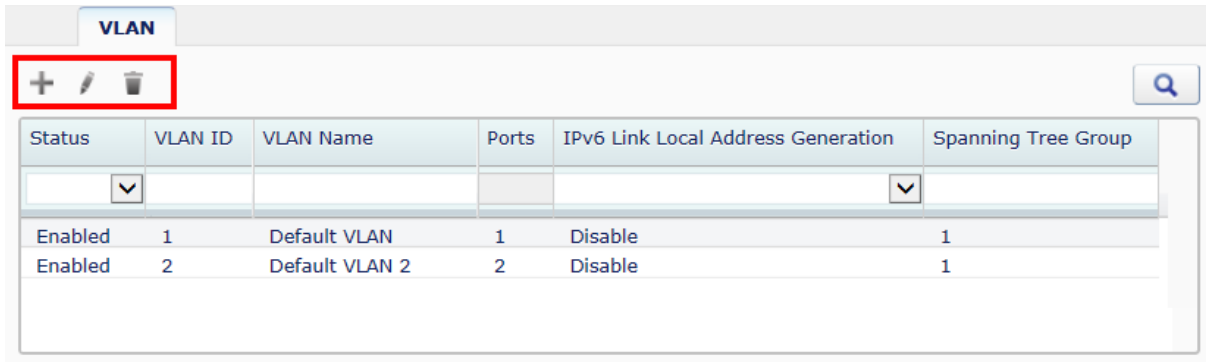
- [Adding, Editing, and Deleting Table Entries, page 44](#)
- [Viewing Table Entry Details, page 45](#)
- [Searching a Table, page 46](#)
- [Copying a Table Entry, page 47](#)
- [Importing and Exporting Table Information, page 47](#)

### Adding, Editing, and Deleting Table Entries



Most Alteon Web Based Management interface tables include icons for adding, editing, and deleting table entries, as shown in [Figure 5 - Add, Edit, and Delete Icons, page 45](#).



Figure 5: Add, Edit, and Delete Icons




Use these icons as follows:

- Click  to add an entry. The relevant *Add* tab displays.
- Select a table row and click  to edit an entry. The relevant *Edit* tab displays.



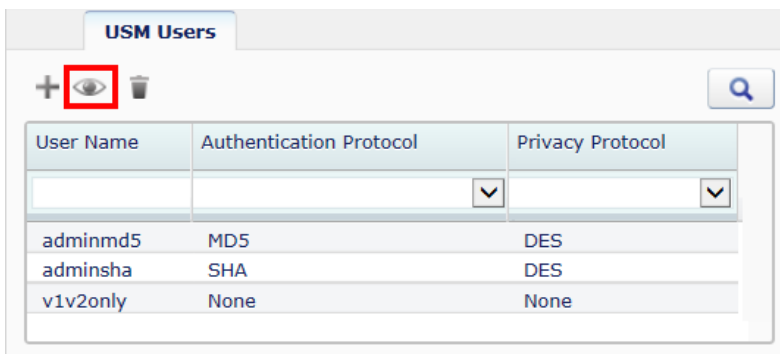
**Note:** Alternatively, you can double-click the table row you want to edit.


- Select a table row and click  to delete an entry. The Alteon Web Based Management interface prompts you to confirm that you want to delete the entry.

## Viewing Table Entry Details

Some tables include a **View** icon that lets you view expanded table entry details, as shown in [Figure 6 - View Icon, page 45](#).

Figure 6: View Icon



Clicking the **View** icon has the same effect as double-clicking a table, or selecting a row and clicking the edit icon ().

## Searching a Table

The Alteon Web Based Management interface supports the following types of table data search:

- **Exact match**—For searches on numbers. For example, IP addresses, subnet masks, and other numeric fields.

In [Figure 7 - Searching a Table, page 46](#), you must type a complete IP address in the **Server IP Address** search box to find a match.

- **Partial string match**—For searches on text strings. For example, alphanumeric IDs and description strings.

In [Figure 7 - Searching a Table, page 46](#), you can type any portion of a text string in the **Description** search box to find a match.

For example:

- Typing **b** returns **blue** and **black** (as shown in [Figure 8 - Search Results, page 47](#)).
- Typing **lu** returns **blue**.
- Typing **des** returns **desc**, **description1**, and **description2**.

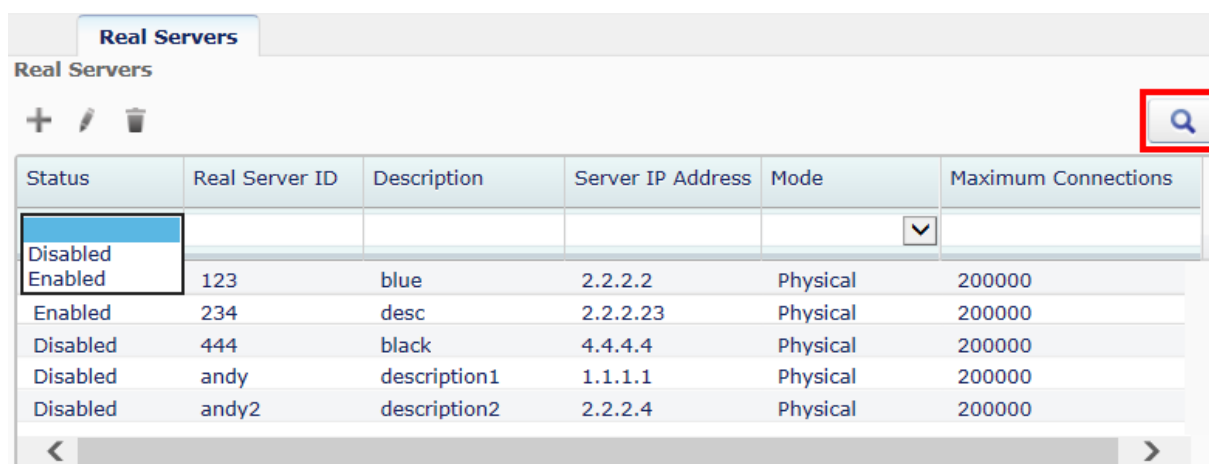


**Note:** String matches are case-sensitive.

- **Drop-down list selection**—For example, status or mode indications.

In [Figure 7 - Searching a Table, page 46](#), you can select an option from the drop-down lists in the **Status** and **Mode** search boxes.


Figure 7: Searching a Table



Status	Real Server ID	Description	Server IP Address	Mode	Maximum Connections
Disabled					
Enabled	123	blue	2.2.2.2	Physical	200000
Enabled	234	desc	2.2.2.23	Physical	200000
Disabled	444	black	4.4.4.4	Physical	200000
Disabled	andy	description1	1.1.1.1	Physical	200000
Disabled	andy2	description2	2.2.2.4	Physical	200000



### To perform a table search

1. Type an exact match or partial string in the search box, or select an entry from a drop-down list under the relevant column heading.
2. Click  to perform the search.



**Note:** A revolving **wait** icon and a **Stop** option display for longer searches. You can click **Stop** to terminate the search.

When the search is complete, the results and a **Clear** option display.

Figure 8: Search Results

Status	Real Server ID	Description	Server IP Address	Mode	Maximum Connections
Enabled	123	blue	2.2.2.2	Physical	200000
Disabled	444	black	4.4.4.4	Physical	200000

- Click **Clear** to return to the full table.

## Copying a Table Entry

Some tables let you copy an entry to quickly create a new entry. These tables include a **Copy** icon, as shown in [Figure 9 - Copying an Entry, page 47](#).

The icon lets you copy an entry in the table. For example, you can copy all the entries from one network class to another.

Figure 9: Copying an Entry

ID	Name	IP Version
Rule1	Rule1	IPv4



### To copy a rule to a network class

- Select **Configuration > Application Delivery > Network Classes**.
- Select the rule in the table that you want to copy.
- Click

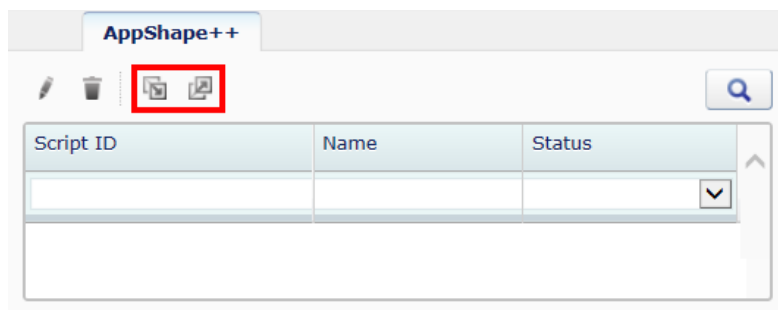
When you place your cursor over the icon, the icon becomes colored

- In the **Copy Network Class** screen, define the ID for the network class to which you want to copy this class, and then click **Submit**.

## Importing and Exporting Table Information

Some tables include icons that let you import and export entries, as shown in [Figure 10 - Importing and Exporting, page 48](#).

Figure 10: Importing and Exporting



When you place your cursor over the icons, the icons become colored, as follows:



### Notes

- Import and export operations to and from the local computer take place over HTTPS.
- An export operation prompts you to allow blocked pop-ups.

## vADC Web Interface Quick Access

This section is relevant for vADC administrators.

From the Alteon Web Based Management interface for ADC-VX, you can directly access the Web interface for any associated vADCs.



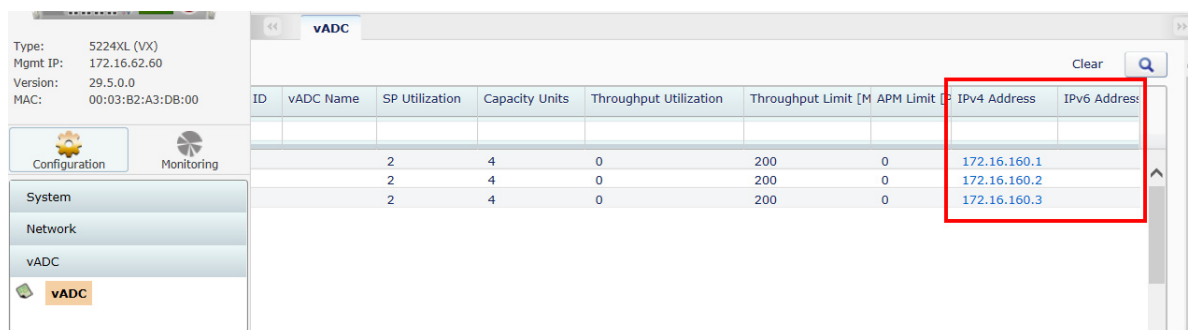
### To access a vADC

1. Select **Configuration > vADC > vADC**.
2. In the vADC table, scroll to the right until you see the IP address column, as shown in [Figure 11 - vADC Quick Links, page 48](#).

Each IP address is a live link to the Web interface of that vADC.

3. Click the link to launch the Web interface for the required vADC.

Figure 11: vADC Quick Links



## Success and Failure Messages for Apply or Save Operations

After an apply or save operation, a yellow backgrounded message appears at the bottom of the screen indicating whether the operation has succeeded or failed. Messages indicating that an operation has succeeded close and disappear from the screen automatically. Messages indicating that an operation has failed remain on the screen until you manually close them.

Figure 12: Operation Succeeded Message

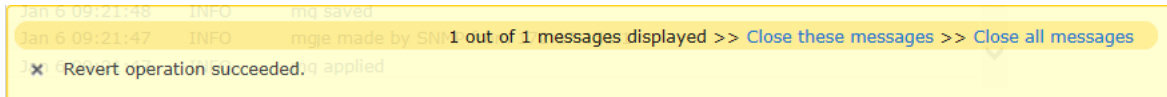
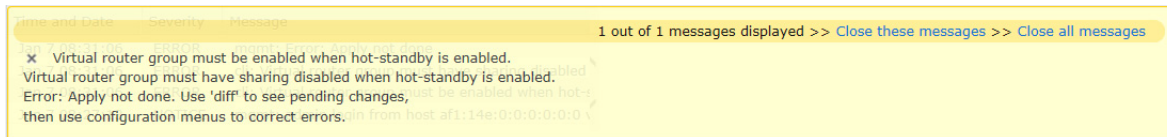


Figure 13: Operation Failed Message





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