

WebAccess/DMP

Zero-touch provisioning and management for status of each routing device and application

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On Premises Solution Descriptions



Option 1

- This is an on-premises instance of WebAccess/DMP that enables up to 400 Created Devices.
- There may be only 1 tenant.
- There may be many users associated with that tenancy.
- The maximum number of Devices that are allowed per Configuration Profile is 200.



Option 2

- This is an on-premises instance of WebAccess/DMP that enables up to 1000 Created Devices.
- There may be only 3 tenants.
- There may be many users associated with each tenancy.
- The maximum number of Devices that are allowed per Configuration Profile is 200.



Option 3

- This is an on-premises instance of WebAccess/DMP that enables up to 5000 Created Devices.
- There may be up to 15 tenants.
- There may be many users associated with each tenancy. Each tenant may have up to 5000 devices (but there may only be 5000 devices in total).
- The maximum number of Devices that are allowed per Configuration Profile is 500.



Option 4

- This is an on-premises instance of WebAccess/DMP that does not cap the number of possible Created Devices, in software.
- There is no software-enforced limit on the number of supported Tenants.
- There may be many users associated with each tenancy.

Use Cases



Use Case 1: "Small Projects"

Good for "smaller projects" that require on-premises for security or privacy reasons. A "smaller project" will have up to 400 remote routers or gateways that will need to be configured.



Use Case 2: Constrained initial CapEx, but "Growing Projects"

Good for projects that have initial cap-ex restrictions, but that intend to grow over time. This option will fulfill the need to support up to 400 devices at the initial roll-out. We will provide an upgrade-path to WPCconnect_OP1T, and WPCconnect_OP5T: NOTE that the run-time environment must be capable of migrating upwards (See Pre-Requisites).



Use Case 3: "Medium Projects"

Good for any project that will require configuration of <1000 remote routers or gateways. This could be used for Utility projects: e.g. Energy Equipment monitoring, where there may be hundreds of distribution points to re-fit.



Use Case 4: Re-Sell "Configuration as a Service" via Channel, for smaller or medium-project customers

This option enables 3 Tenants to be supported: Suitable if you know in advance that the sum of all 3 Tenants' remote devices will add up to less than 1000 devices.



Use Case 5: "Big Projects"

Good for any project that requires configuration of >1000 remote routers or gateways. This could be used for Fleet Deployments: e.g. City Bus Fleet fit-outs, where there may be thousands of buses to re-fit.



Use Case 6: Re-Sell "Configuration as a Service" via Channel

Channel partner purchases this license, and supports up to 15 of their customers: enable them to configure their own remote router assets, or provide a configuration-as-a-service option to their customers. Our channel partner can re-sell the configuration-service as a per-device-per-month service, and thereby recover their initial Investment over time.



Use Case 7: "Very Large Projects"

Good for projects that require >5000 managed remote routers or gateways. Lottery Machine roll-outs across large geographic areas (like the USA or the UK). These projects typically require 30,000 (or more) machines to be rolled-out over time.



Use Case 8: Re-Sell "Configuration as a Service" via Channel

Like Use Case 6, but this time there is no limit on the number of Tenants, other than the physical limits imposed by the run-time environment that the software is installed on.

Products Offered

Option	1	2	3	4
Part #	BB-SWH-OP4H	BB-SWH-OP1T	BB-SWH-OP5T	BB-SWH-OPMT
Device Total	400	1000	5000	Unlimited^
Tenants	1	3	15	Unlimited^
Devices per Profile	200	200	500	500
Entitlements	Annual maintenance entitles you to: 1 main 'feature update' per year 1 'content update' per year bug-fix updates will be rolled into the annual feature-update	Annual maintenance entitles you to: 1 main 'feature update' per year 1 'content update' per year bug-fix updates will be rolled into the annual feature-update	Annual maintenance entitles you to: 1 main 'feature update' per year 2 'content update' per year bug-fix updates will be rolled into the annual feature-update	Annual maintenance entitles you to: 1 main 'feature update' per year 3 'content update' per year bug-fix updates will be rolled into the annual feature-update
SLA	SLA available to download from www.advantech.com	SLA available to download from www.advantech.com	SLA available to download from www.advantech.com	SLA available to download from www.advantech.com

Included in the purchase

One Microsoft install package (.msi file) per installer:

Install the Web Application on a suitably specced target machine or VM;

Install the DB Application on a suitably specced target machine or VM;

Please refer to the Installation User Guide for detailed instructions.

Default Features include:

Remote device configuration

Status dashboard

App configuration and deployment

User Module configuration and deployment

FOTA

Multi-Tenancy

Multi-User

API enabled

Configuration Profiles (enabling No Touch Provisioning)

Mass deployment

Pre-Requisites

OPTION 1

Web Server (MS IIS Server)	Database Server (MS SQL Server or SQL Server Express*)
(running on a stand-alone VM or native machine)	(running on a stand-alone VM or native machine)
Processor with at least 4 cores	Processor with at least 4 cores
8GB RAM	8GB RAM
Microsoft Windows Server 2012	Microsoft Windows Server 2012
Standard edition 64-bit (or above)	Standard edition 64-bit (or above)
Microsoft dot.Net Framework 4.5 (or above)	Microsoft SQL Server 2014 Standard Edition (or newer)
80GB HDD	150GB HDD
*there are some limitations with SQL Server Express (e.g. update statistics, update indexes, creating backups)	

OPTION 2

Web Server (MS IIS Server 7 and above)	Database Server (MS SQL Server)
(running on a stand-alone VM or native machine)	(running on a stand-alone VM or native machine)
Processor with at least 4 cores	Processor with at least 4 cores
16GB RAM	16GB RAM
Microsoft Windows Server 2012	Microsoft Windows Server 2012
Standard edition 64-bit (or above)	Standard edition 64-bit (or above)
Microsoft dot.Net Framework 4.5 (or above)	Microsoft SQL Server 2014 Standard Edition (or newer)
80GB HDD	150GB HDD

OPTION 3

Web Server (MS IIS Server 7 and above)	Database Server (MS SQL Server)
(running on a stand-alone VM or native machine)	(running on a stand-alone VM or native machine)
Processor with at least 4 cores	Processor with at least 4 cores
16GB RAM	16GB RAM
Microsoft Windows Server 2012	Microsoft Windows Server 2012
Standard edition 64-bit (or above)	Standard edition 64-bit (or above)
Microsoft dot.Net Framework 4.5 (or above)	Microsoft SQL Server 2014 Standard Edition (or newer)
100GB HDD	250GB HDD
Active/passive clustering configuration on SQL Server is recommended	

OPTION 4

Web Server (MS IIS Server 7 and above)	Database Server (MS SQL Server)
(running on a stand-alone VM or native machine)	(running on a stand-alone VM or native machine)
Processor with at least 4 cores	Processor with at least 4 cores
16GB RAM	16GB RAM
Microsoft Windows Server 2012	Microsoft Windows Server 2012
Standard edition 64-bit (or above)	Standard edition 64-bit (or above)
Microsoft dot.Net Framework 4.5 (or above)	Microsoft SQL Server 2014 Standard Edition (or newer)
500GB HDD	500GB HDD
At least one load balancer active/passive clustering configuration on SQL Server, a site survey will be required	

Terms of Use: Summary

Critical Bug-fix Releases and Security Patch Releases will be made available only as necessary.

A Content-Package Release has:

- (a) Latest Router FW
- (b) Updates to User Modules
- (c) Latest SmartSwarm FW and Components
- (d) Latest SRPs

Content-Package Releases will be made available once per year,
or as-necessary in case of Router/Gateway

Critical Bug-Fix or Security Patch firmware, provided the annual maintenance is paid every year.

WebAccess/DMP On Prem release per year will be a Long Term Stable Release, which will be supported by Advantech for a maximum of 2 years from the release date, provided the annual maintenance is paid every year.

Failing to update your On Prem to a Long Term Stable Release will void your Warranty, and void your SLA, even If you continue to pay annual maintenance.

If you miss a scheduled annual maintenance fee payment, and subsequently want to update your On-Prem, you must pay the full initial price again to get the latest LTS version.

If a customer misses a scheduled annual maintenance fee, they will not be entitled to download and install Content Update Packages.

Glossary

Term	Definition
Claimed Device	<p>Any Device that has been "Claimed" for use by a Technology Provider (aka "Tenant").</p> <p>Only Claimed Devices will appear on the Tenant's Device List.</p> <p>A device may only be Claimed if it is a Registered Device.</p>
Connected Device	<p>Any Device that has "checked-in" successfully with the platform will be considered to be a "Connected Device."</p> <p>Note that, a Connected Device may be Online or Offline at any point in time.</p>
Device	<p>The term "Device" means any device that maintains an "always on" direct connection with the Platform.</p> <p>This currently means:</p> <ul style="list-style-type: none"> > Cellular Router > Non-Cellular Router > SmartSwarm Gateway (SmartSwarm 341, SmartSwarm 342, SmartSwarm 351) <p>Advantech WebAccess/DMP is a software package that provides remote device management and provisioning for Advantech WAN/WWAN Routers, IoT Gateways and Wzzard wireless sensor nodes (WSNs).</p>
Licensed Device	<p>When you purchase a License, it stipulates the number of Registered Devices you may have on your platform.</p> <p>When you register a device with your platform, that device becomes a Licensed Device.</p>
Platform	<p>The running instance of "WebAccess/DMP" to which a remote Device has made a connection.</p>
Registered Device	<p>A Registered Device is one that exists in the Manufacturing Table of the Platform.</p> <p>A device may be registered into the Manufacturing Table via:</p> <ul style="list-style-type: none"> > the Manufacturing Role login on the UI > the Administrator Role login on the UI > the v2.0 + User API (you must be logged in as Administrator to Register or Claim devices) <p>A device must be registered before it may be claimed by a Tenant.</p>
Sensor Node	<p>A Sensor Node is a physical entity that may communicate with the Platform via a Device (i.e. the device may act as a Proxy for the Sensor Node). An example of a Sensor Node is a Wzzard DUST node. The Sensor Node does not, itself, count as a Licensed Device.</p>
Technology Provider	<p>A Technology Provider is a Tenant on the Platform. See "Tenant".</p> <p>Note that, a Connected Device may be Online or Offline at any point in time.</p>
Tenant	<p>A Tenant is an "Account Holder" (aka a "Technology Provider" group).</p> <p>Every Tenant account may have 2 User Roles associated with it: "TPAdmin" and "TPUser".</p> <p>There must be at least one "TPAdmin" user created for each Tenant.</p> <p>There may be many "TPAdmin" users associated with each Tenant.</p> <p>There may be many "TPUser" users associated with each Tenant.</p> <p>The TPAdmin user-role is entitled to Claim Registered Devices into the Tenancy Account.</p>

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Greater China

China

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Singapore

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Warsaw	48-22-31-51-100
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St. Petersburg	8-800-555-81-20

Czech Republi

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Ireland

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Mexico City	52-55-6275-2727

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