

BENS SecureConnector

Secure application connectivity between cloud and on-premise

Connect applications. Connect sites. Move data securely.

A permanent, encrypted, bidirectional connection between central cloud systems and local applications, devices and data sources.

Targeted application connectivity without traditional site-to-site VPN coupling of the participating networks.

Secure connectivity for applications, devices and data

BENS SecureConnector creates a controlled, encrypted communication channel between central cloud systems and defined local applications, devices and data sources. The connection remains permanently available and can carry data, commands and feedback in both directions.

Secure Cloud-to-On-Premise Communication • [Application Connectivity](#)

Targeted communication instead of network coupling

Connect applications – without coupling networks

BENS SecureConnector does not connect complete networks in the way a traditional site-to-site VPN does. Instead, it provides targeted communication paths between defined applications, devices and data sources. The local network remains isolated; only the required business communication is enabled.

What makes the platform different

Permanent & bidirectional

The on-premise connector initiates the encrypted outbound connection. Within the established session, communication can flow in both directions without making the local system directly reachable from the Internet.

Application-focused

The network itself is not exposed – only the business communication that is actually required.

Built for distributed sites

Branches, plants and subsidiaries can be connected centrally.

Cloud-oriented

Central applications can reach local systems without those systems being directly reachable from the Internet.

Controllable

Authentication, approved actions, logging and policies can be part of the communication model.

BENS SecureConnector connects applications, devices and data sources – without coupling complete networks.

Use cases I

1

Printing & Production Printing

Print jobs, control information and status messages can be exchanged securely between central systems, print servers and local output devices.

Cloud → On-Premise: Print jobs, queue information, approvals, configurations and defined control commands.

On-Premise → Cloud: Printer status, job feedback, page counts, error and maintenance information.

Suitable for central print workflows, pull printing and distributed production-printing environments.

2

Industrial machines & production equipment

Local machines often need secure communication with central cloud services but must not be directly accessible from the Internet.

Cloud → On-Premise: Production orders, machine parameters, recipes, configurations, approvals and files.

On-Premise → Cloud: Machine status, production volumes, faults, counters, quality data and maintenance messages.

This creates a controlled cycle of instruction, execution and status feedback.

3

IoT & edge devices

SecureConnector can operate as an edge gateway for distributed devices and sensors.

Cloud → On-Premise: Configurations, thresholds, commands and policies.

On-Premise → Cloud: Measurements from sensors, scales, scanners, cameras, terminals, production counters or energy meters.

Suitable for secure edge communication in distributed environments.

Use cases II

4

Cloud applications ↔ local systems

Modern cloud applications often need selective access to data or functions in local systems.

Cloud → On-Premise: API calls, queries, approved actions or data requests.

On-Premise → Cloud: Results from SAP on-premise, SQL databases, ERP, MES, file systems or legacy business applications.

BENS SecureConnector acts as a secure Application Bridge.

5

Secure file & document exchange

Controlled data transfer between cloud and local environments for structured business, production and document data.

Cloud → On-Premise: CAD files, production data, configurations, XML/JSON, order files and software packages.

On-Premise → Cloud: Results, logs, measurements, documents and production reports.

Encrypted file transfer without a publicly exposed local server.

6

Remote control of local applications

Cloud systems can trigger predefined and approved functions on local systems.

Cloud → On-Premise: Approved actions or requests.

On-Premise → Cloud: Result, status and feedback from the executed function.

Possible local targets include REST, SOAP, command-line tools, PowerShell, database functions or proprietary interfaces. No arbitrary remote shell – only tightly controlled actions.

Use cases III

7

Central management of many branches

Ideal for branch organisations and globally distributed companies with many local systems.

Cloud → On-Premise: Configurations, data, commands and updates to specific sites.

On-Premise → Cloud: Status, results, local measurements and events.

Each site connects centrally without building a complex VPN structure for every branch.

8

Software distribution & configuration management

Defined software packages and configurations can be distributed centrally to many locations.

Cloud → On-Premise: New configurations, certificates, policies or approved software packages.

On-Premise → Cloud: Validation, installation status and success messages.

Execute, validate and report back – centrally controlled and traceable.

9

Remote monitoring & management

SecureConnector can monitor local systems and make the results centrally available.

Cloud → On-Premise: Controlled actions, for example restarting a service.

On-Premise → Cloud: Service status, ports, CPU/RAM, disk space, database and application status, certificate expiry or licence status.

A lightweight RMM gateway for defined applications and services.

One platform – multiple solutions

Printing Connector	Application Connector	Data Connector	Machine Connector
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Depending on the application, BENS SecureConnector can be deployed as a specialised communication component. Different connector roles can be implemented on a common secure foundation.

Typical application areas

Area	Typical scenario	Benefit
Printing / Production Printing	Cloud ↔ print servers, queues and production printers	Central control and secure status feedback
Industry / production	Cloud ↔ production machines, equipment and local production systems	Controlled OT/IT communication
Cloud ↔ ERP / MES	Data and API communication with local business systems	Targeted access without network coupling
Branch organisations	Central cloud ↔ many local systems and sites	Scalable site connectivity
IoT / edge	Sensors, measuring devices and local edge equipment	Secure edge communication
Remote monitoring	Monitoring and controlled actions on local applications	Central visibility and response

BENS SecureConnector at a glance

Use in SAP environments

BENS SecureConnector can provide secure communication paths between SAP BTP or cloud applications and local non-SAP systems, machines or data sources. It therefore complements integration scenarios that require targeted application connectivity between cloud and on-premise environments.

Secure Application Connectivity

BENS SecureConnector

Secure Application Connector

Secure bidirectional communication between cloud applications and local applications, devices and data sources.

For distributed IT and OT environments

Production, branch operations, data integration, edge communication, remote management or printing: BENS SecureConnector creates a controlled communication channel between cloud and on-premise wherever full network coupling is neither required nor desired.

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