

## About the Product

PBN's netCommand is a modern cloud-native provisioning solution supporting flexible deployment architectures. Its automated service activation and fulfillment feature reduces operational expenses, shortens provisioning lead times, and enhances customer satisfaction. Integrated with PBN's netWatch2-PON software, netCommand provides instant updates on ONU provisioning status with detailed parameters. The first online data captured as a birth certificate is used for future reference if major parameter changes occur.

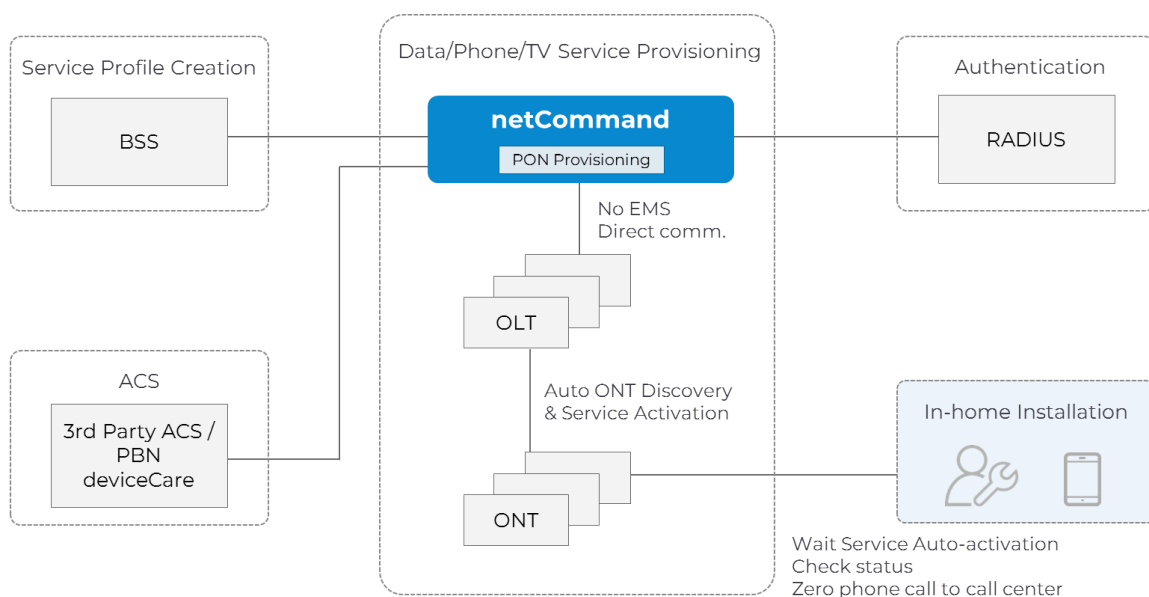
PBN's netCommand automates provisioning for multiple brands of ONU SFU and gateways, saving time and allowing field installers to complete more installations per day. This system directly communicates with OLTs via standard protocols and supports multiple OLT and ONU vendors. It also offers industry-standard APIs for seamless integration with service providers' in-house systems, such as B/OSS and job ticket systems, further improving efficiency and customer satisfaction.

## Key Features and Functions

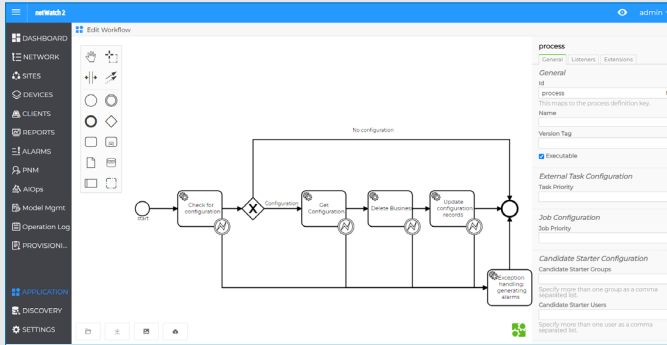
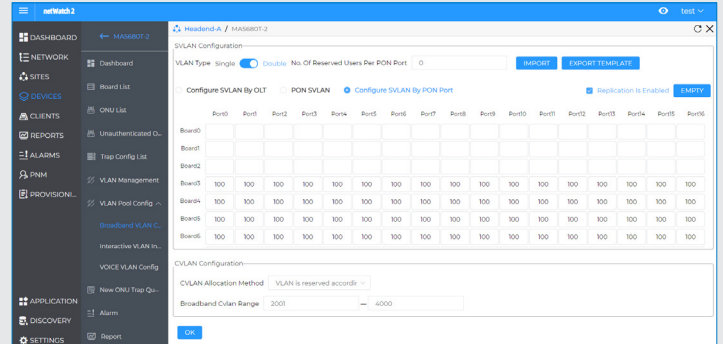
Automate the provisioning of multiple brands of ONU SFU and gateway, the PBN intelligent provisioning mechanism helps to save the time to take the ONU registered and on-line. It allows field installer to complete more ONU installation per day. It can greatly improve customer satisfaction, and reduce opex. netCommand provisioning system communicates with OLT direct via standard protocol, and supports multiple vendors of OLTs and ONUs. Industry standard based API available to interface with service providers in-house software systems, such as B/OSS, job ticket system, etc.

- Auto provisioning of ONU-Gateway to support different services, such as internet service, VoIP service, and video service, etc.
- Support single and dual layers VLAN ID provisioning
  - SVLAN ID per OLT chassis
  - SVLAN ID per OLT service board
  - SVLAN ID per OLT PON port
- Provision template - Support different type of service provisioning- IPoE, PPPoE, etc
- VLAN pooling deployment support
- Option to integrate with PBN netWatch2-PON
- Support SSO log-in, such as LDAP

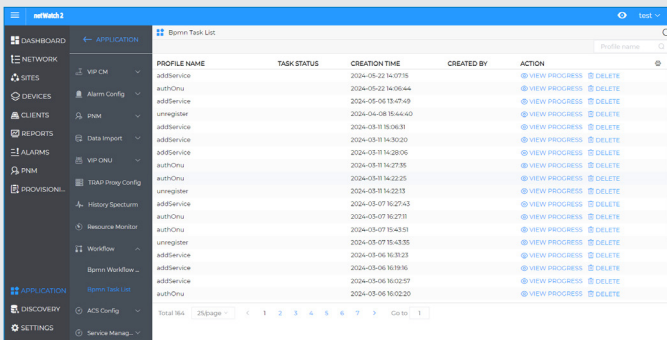
## System Diagram



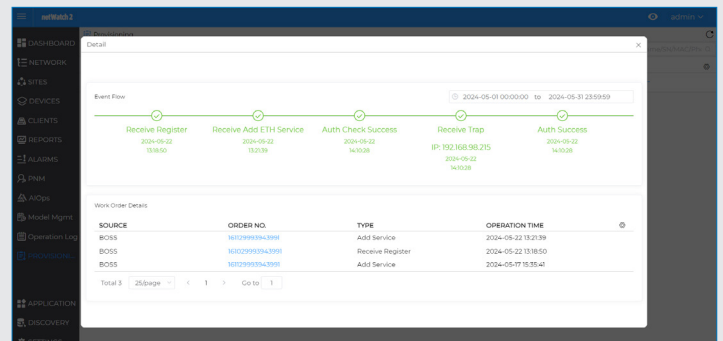
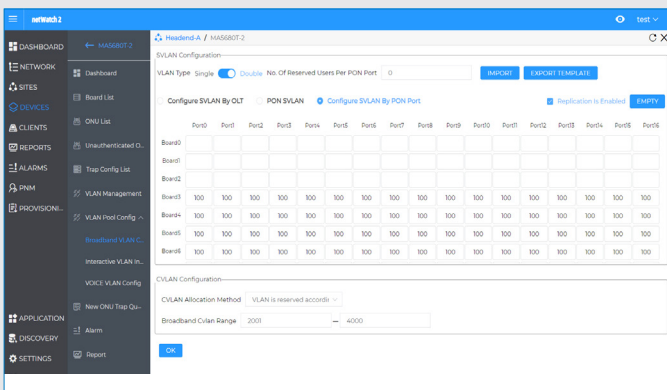
## System Screenshot

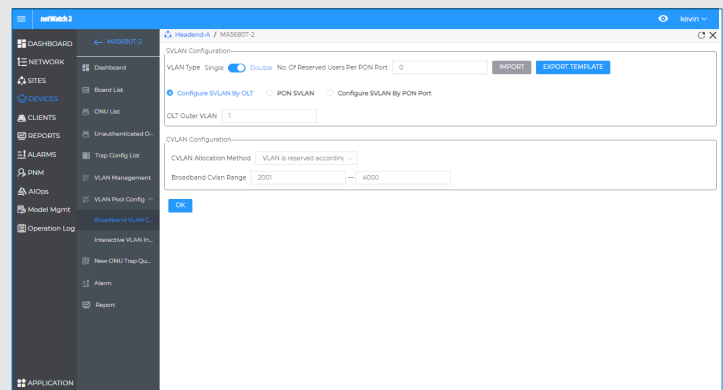
The screenshot shows the 'VLAN Configuration' window in netCommand. It includes options for 'VLAN Type' (Single, Double, No. Of Reserved Users Per PON Port), 'Configure SVLAN By OLT', 'PON SVLAN', and 'Configure SVLAN By PON Port'. There is a table for 'Board' configuration with columns for Board0 through Board6 and rows for Port0 through Port6. The 'CVLAN Configuration' section includes 'CVLAN Allocation Method' and 'Broadband CVLAN Range'.



PROFILE NAME	TASK STATUS	CREATION TIME	CREATED BY	ACTION
addService		2024-05-22 14:07:18		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-22 14:06:44		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-06 15:47:49		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-08 15:44:40		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-08 15:40:31		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-08 14:30:20		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-08 14:28:06		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-08 14:27:35		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-08 14:22:25		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
unregister		2024-05-08 14:21:15		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-07 16:27:43		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-07 16:27:31		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-07 15:43:51		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
unregister		2024-05-07 15:43:35		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-06 16:03:28		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
addService		2024-05-06 16:19:36		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-06 16:02:57		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>
authOnu		2024-05-06 16:02:20		<a href="#">VIEW PROGRESS</a> <a href="#">DELETE</a>

This screenshot is identical to the one in the top right, showing the 'VLAN Configuration' window with options for 'VLAN Type', 'Configure SVLAN By OLT', 'PON SVLAN', and 'Configure SVLAN By PON Port'. It includes a table for 'Board' configuration and 'CVLAN Configuration' settings.



This screenshot is identical to the one in the top right, showing the 'VLAN Configuration' window with options for 'VLAN Type', 'Configure SVLAN By OLT', 'PON SVLAN', and 'Configure SVLAN By PON Port'. It includes a table for 'Board' configuration and 'CVLAN Configuration' settings.