



InterCloud | Autonomi

InterCloud Autonomi quick reference

Key operations and best practices for DevOps

InterCloud Autonomi is the central nervous system of your multicloud connectivity, streamlining operations across multiple environments. This cheat sheet provides DevOps professionals with quick reference guides for common tasks, best practices, and troubleshooting scenarios when using InterCloud Autonomi to manage cloud connectivity across development, testing, and production environments.

Core InterCloud Autonomi concepts



Workspaces

Isolated environments for managing connectivity projects



Cloud nodes

Connection points to cloud service providers (AWS, Azure, GCP)



Transports

L2 connectivity between nodes



Access nodes

Connection points for on-premises or virtual access

Quick setup guide



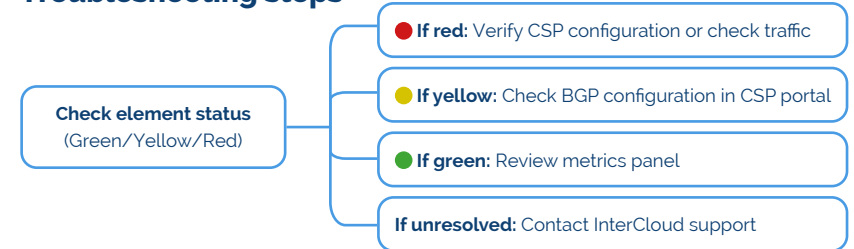
Common UI actions

ACTION	STEPS TO PERFORM
Create a workspace	<ol style="list-style-type: none"> Go to 'Workspace' view Click 'Add a workspace' Enter name and description Click 'Add' to create
Deploy a cloud node	<ol style="list-style-type: none"> In workspace, click 'Add element' Select 'Cloud node' Choose CSP, location, bandwidth Enter CSP-specific details (e.g., AWS account ID) Click 'Create'
Set up a transport	<ol style="list-style-type: none"> In workspace, click 'Add element' Select 'Transport' Choose locations, bandwidth, provider Click 'Create'
Configure an access node	<ol style="list-style-type: none"> In workspace, click 'Add element' Select 'Access node' Choose connection type, location, bandwidth Select customer port or enter service key Click 'Create'
Attach elements together	<ol style="list-style-type: none"> Select an element (Cloud node, Access node, transport) Click 'Attach element' Select an element eligible for attachment (matching the same locations) Click 'Attach'

Best practices for InterCloud Autonomi operations

- Use separate workspaces for different environments (dev, test, prod)
- Leverage virtual access nodes for flexible, cost-effective testing
- Regularly review bandwidth utilization using metrics feature
- Implement consistent VLAN configurations across environments
- Utilize ability to switch between underlay providers for optimal performance and cost
- Implement version control for network configurations using separate workspaces
- Use InterCloud Autonomi's API for automation in CI/CD pipelines (documentation available)
- Use the InterCloud Autonomi Terraform provider in order to preconfigure and schedule tasks in advance for planned use cases

Troubleshooting steps



Performance optimization tips

- Monitor bandwidth utilization regularly
- Use virtual access nodes for flexibility
- Leverage unified interface for consistent L2 configuration
- Consider geo-redundant setups for critical environments
- Test configuration changes in separate workspaces before production

Key metrics to monitor

- Bandwidth utilization (real-time and historical): Helps in capacity planning and troubleshooting
- Operational status of all elements: Ensures system health and aids quick issue identification
- BGP session status (in CSP console): Critical for maintaining proper routing and connectivity

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