

Palantir Foundry Data Connection Comparison (Direct vs Agent-Based Connection)

Criteria	Direct Connection	Agent-Based Connection
Connectivity Requirement	Requires public accessibility from Foundry (via egress IPs)	Supports private networks; no internet exposure needed
Setup Complexity	Minimal setup, no infrastructure required	Requires VM provisioning and agent setup
Security Consideration	May need to expose system to Foundry IPs	Outbound-only HTTPS from secure network
Maintenance Overhead	Low (cloud-managed)	Higher (agents need monitoring and updates)
Performance	High (in-Foundry execution)	Depends on agent performance and network
Execution Location	In Foundry cloud	In Foundry (proxy) or on agent host (worker)
Use Cases	Cloud systems, REST APIs, S3	On-prem or non-internet systems
High Availability Support	Native in Foundry cloud	Manual setup via redundant agents
Custom Code Support	Fully supported	Limited (worker not supported in code workflows)
Credential Storage	In Foundry	On agent or locally encrypted
Scalability	Easily scalable in cloud	Requires manual provisioning
Monitoring & Retry	Built-in monitoring and auto-retries	Split monitoring, may require custom setup
Data Virtualization Support	If source is internet-accessible	Supports internal systems via proxy/worker