

REGIONAL ENGLISH MATERIAL · HIGHBYTE INTELLIGENCE HUB 4.5 BETA FOCUS

HighByte 4.5 Industrial DataOps Executive Brief

A regional decision guide for turning OT data into trusted, AI-ready industrial payloads.

HighByte

ASP Dijital

Industrial AI

MCP

i3X

- Use HighByte as the industrial data abstraction layer between source systems and cloud, AI, UNS, REST, i3X, and MCP consumers.
- Version 4.5 Beta adds practical scale features: AI Agents, config graph MCP tools, dictionaries, NATS, i3X metadata export, HA readiness endpoints, and expanded connector operations.
- ASP Dijital can localize the value story, discovery workshops, pilot scope, and adoption plan across Turkish, Arabic, and English teams.

EVIDENCE

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- ConocoPhillips public case material describes more than 1 billion sensor rows per day and 400+ dashboards powered by a common data model.
- National Grid public case material reports around 10x more grid assets available for analytics and latency reduced to under 15 minutes.
- HighByte messaging positions the Intelligence Hub as Edge-native Industrial DataOps for modeled, ready-to-use data that accelerates AI use cases.

4.5

BETA

Edge

NATIVE

OT + IT

COLLABORATIVE

AI

READY

4.5 ADDITIONS TO EMPHASIZE

HighByte Intelligence Hub 4.5 Beta focus

AI Agent interface for generating Models, Instances, Inputs, and browsing Connections.

MCP config graph tools for describing and querying project relationships.

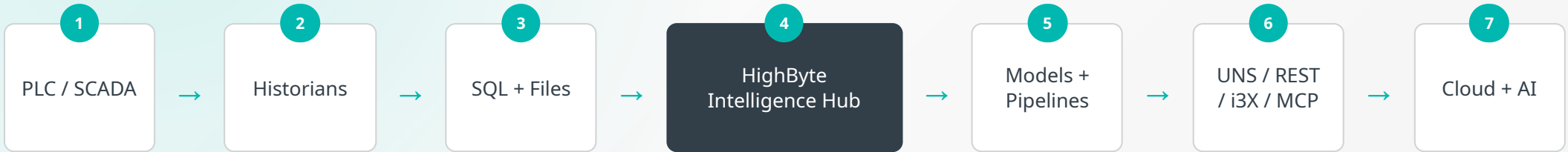
Dictionaries for static and dynamic high-frequency substitutions in Instances and Pipelines.

High Availability improvements: custom heartbeat settings, Docker environment configuration, and /v2/livez plus /v2/readyz endpoints.

Partner-derived material. It is not a copy of official HighByte documentation and should be reviewed against the current licensed product before a production commitment.

REFERENCE FLOW

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OT
PLC, SCADA, Historian, MQTT, OPC UA, SQL, files

Industrial DataOps
Connect, model, transform, govern, observe

IT / AI
UNS, REST, i3X, MCP, cloud, BI, AI agents

90-DAY ROLLOUT

Recommended play

01

Days 1-15: map sources, owners, security zones, and two high-value data products.

02

Days 16-45: build a model-first pilot with one production line, one historian, and one cloud or AI consumer.

03

Days 46-70: validate 4.5 Beta features relevant to the site, especially AI Agents, MCP tools, dictionaries, and HA readiness probes.

04

Days 71-90: define production guardrails, governance, monitoring, and rollout pattern for the next sites.

Start with one operational question that executives already care about, then design the data product backward from the consumer to the plant-floor source.

SOURCE BASIS

Prepared by ASP Dijital for regional HighByte conversations

- HighByte Intelligence Hub Version 4.5 Beta release notes, published June 08, 2026.
- HighByte User Guide pages for MCP Services, i3X Server, AI connections, Flow triggers, Smart Query, and Central Hub.
- Local HighByte 2025/2026 partner materials, brand guidelines, solution brief, messaging document, and customer case studies.
- ASP Dijital brand media kit and local ASP Dijital logo assets.

Official URLs

highbyte.com/resources/release-notes/version-4-5-beta
guide.highbyte.com/configuration/servers/mcp/
guide.highbyte.com/configuration/servers/i3x/
guide.highbyte.com/configuration/connect/connections/ai/openai/

Positioning guardrail

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