



SOLUTION OVERVIEW

Accounts payable for Italian electronic invoicing, on SAP S/4HANA

A side-by-side extension on SAP BTP that owns the accounts-payable process end to end — reception, checks, matching, approval, posting and ten-year preservation — while SAP S/4HANA remains the system of record.

1.0.0	2026-09-10	Public · Private · On-Premise	BTP Kyma · Cloud Foundry · Kubernetes
Version	Date	Editions	Deployment

What it is

NOVA Invoice Suite handles the Italian **FatturaPA** electronic invoice received through SDI, the Italian Revenue Agency exchange system, and carries it to a posted document in SAP S/4HANA and then into ten-year digital preservation. It is an SAP Cloud Application Programming Model service on Node.js and TypeScript, with 9 SAP Fiori Elements v4 applications on top, and it reads and writes SAP S/4HANA **only through SAP-released OData APIs**.

9

Fiori Elements v4 applications

45/45

released API cells attested

15

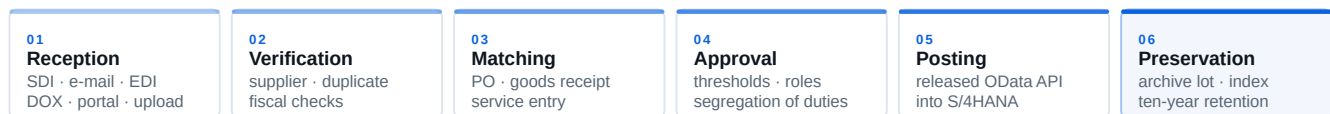
roles, segregation of duties

10 yrs

digital preservation, with legal hold

The process it owns

ONE CANONICAL LIFECYCLE · EXECUTED BY A STEP-DRIVEN ENGINE



Every step is configurable per company code · steps marked automatic are idempotent and run unattended
A failed check does not stop the queue: it raises a typed exception with a severity, an owner and a due date

Invoices that satisfy every configured check move from reception to posting without a person touching them. People are spent on the exceptions instead of on the routine.

Who it is for

ORGANISATION

WHY THIS RATHER THAN A GENERIC TOOL

Italian companies and groups running SAP S/4HANA

The Italian specifics — FatturaPA parsing, SDI document types, withholding tax, quarterly stamp duty, credit notes and self-billing — are part of the product, not an implementation project.

Shared service centres processing for several company codes

Every rule, threshold, tolerance and check is maintained per company code by an administrator, without a development request.

Organisations under audit obligations

Segregation of duties is enforced in the identity layer; the audit trail is append-only on three independent layers; every cross-company query by a super administrator is recorded.

IT organisations committed to Clean Core

Nothing is modified in SAP S/4HANA. An S/4HANA upgrade requires no regression work on the extension.

What the customer gets

CAPABILITY

WHAT IT MEANS IN PRACTICE

Multi-channel reception

SDI through the S/4HANA eDocument framework, SAP Document Information Extraction for PDFs and scans, EDI, e-mail, SAP Integration Suite, a supplier portal, manual upload. Each channel is a pluggable adapter behind one router, and uniqueness is guaranteed by a database constraint rather than by the order in which concurrent requests arrive.

Italian fiscal semantics	One centralised FatturaPA parser; SDI document-type classification including credit and self-billing types; withholding-tax mapping; quarterly stamp-duty accrual; legal codes shown with both the code and its description, because an accountant must read the label and quote the code.
Three-way matching	Line-level comparison against purchase-order history, goods receipts and service entry sheets, on price and quantity, with tolerances the customer sets per company code. Each line carries its own typed match status; a failure raises a specific exception, not a generic one.
Non-PO and credit notes	A dedicated non-PO path with cost allocation rules and cost-object validation against released S/4HANA master-data views, and a separate matching branch for the Italian TD04 credit note. Phase gates refuse to advance an invoice while a required allocation is missing.
Approval with segregation of duties	Routing by amount threshold, company code and approver role across six approver levels that are distinct authorisation scopes rather than a naming convention. Operational work, approval and posting are mutually exclusive.
Exceptions with an owner and a clock	Typed exceptions with a severity and one of four override policies, automatic dispatch where the policy allows it, justification requirements, and an escalation job driven by service-level configuration.
Ten-year preservation	Archive lots and a dispatch queue, an ArchiveLink content-server interface, integration towards an accredited preservation provider, and a retention model that separates the residence period (blocking) from the retention period (destruction) using the SAP Information Lifecycle Management vocabulary.
Legal hold	Scoped to a company code and optionally to a single invoice, honoured by <i>both</i> destructive jobs. Holds are released, never deleted: the record of what was protected, and why, is itself the evidence.
AI where it is contained by design	SAP Document Information Extraction for capture; risk scoring with configurable weights; an agent-facing service exposing only read-only projections stripped of personal data with three non-destructive actions. Personal-data masking in the AI orchestration client is enforced in production.
Analytics where finance already works	13 analytics projections with aggregation and calendar semantics, most of them reachable by an SAP Analytics Cloud live OData v4 connection, plus a KPI dashboard and an Analytical List Page in the product.

What the customer keeps control of

Three things are deliberately the customer's, not ours. **The data:** NOVA is single-tenant by architectural decision — each customer runs it in their own account, with their own database, identity trust and preservation contract, which matches the residency expectations of Italian fiscal records. **The rules:** which checks apply, how strict they are, which may run unattended, what the approval thresholds are — all customising, maintained per company code. **The place it runs:** SAP BTP Kyma, SAP BTP Cloud Foundry or customer-managed Kubernetes, over three database dialects and three identity models, and the choice can change later without a code change.

Optional SAP services are optional at runtime, not only on paper. Where a customer is not entitled to an SAP service — Document Information Extraction, Build Process Automation, Event Mesh — the corresponding adapter falls back to a local implementation and the core process still runs. That is a property of the adapter architecture, and it is what makes a smaller landscape viable.

Where the boundary is

NOVA does not replace SAP S/4HANA and does not keep a second general ledger: the posted document lives in S/4HANA and NOVA holds the process around it. It is not a preservation provider — it integrates with an accredited one, which is the role Italian law assigns. And it is not an SDI intermediary: invoices reach it through the channels the customer already has.

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