



From ECC to S/4HANA: Why Cortex Makes SAP Role Migration Effortless

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Executive Summary

SAP role migration is often the most underestimated—and most disruptive—part of an S/4HANA transformation. Legacy roles don't map cleanly. Transaction codes change. Naming conventions collapse. And compliance risks multiply.

TangoTec's Cortex solves this with a prebuilt migration intelligence layer: thousands of mapped changes between ECC and S/4HANA, embedded directly into our automation framework. The legwork is already done. The risk is already mitigated. The redesign is already underway.

Why Role Migration Fails Without Cortex

Most SAP migrations focus on infrastructure, data, and interfaces. Role design is treated as a bolt-on—until it derails go-live. Common pitfalls include:

-  Manual mapping of obsolete ECC transactions to new S/4 equivalents
-  Inconsistent naming conventions across modules and regions
-  Bloated composite roles with hidden SoD conflicts
-  Lack of audit-ready documentation for new role structures
-  No fallback plan for phased rollouts or hybrid ECC/S4 environments

These issues aren't just technical—they're operational. They delay onboarding, trigger audit flags, and erode user trust.



✓ How Cortex Fixes It

Cortex doesn't just redesign roles—it re-engineers them for S/4HANA. Our framework includes:

🔍 Prebuilt ECC-to-S/4HANA Transaction Mapping

Thousands of known transaction code changes already catalogued

Automated substitution logic for obsolete or merged T-codes

Role templates updated for S/4-native processes (e.g. Fiori, CDS views)

✖ Composite Role Architecture

Each position gets a Maintain Role, Display Role, and All-User Role

Roles are folder-mapped, naming-standardised, and SoD-validated

Built for ECC, S/4HANA, or hybrid environments.

📄 Audit-Ready Documentation

Every role includes a printable summary of transactions, authorizations, and SoD status

Exportable for internal audit or external compliance teams.

Supports GDPR overlays, regional access flags, and license tiering

🌐 Global Rollout Support

Cortex handles phased migrations across UK, US, EU, and Asia

VAT-compliant invoicing and license-friendly onboarding

Resilience modelling for fallback roles and emergency access

🎯 The Cortex Advantage

🗨 Built on Experience. Trusted by Industry.

Cortex builds on a legacy of delivery for the likes of National Grid, Rolls-Royce, Jaguar Land Rover, Seqirus, Kingspan, and Valeo. We've seen the pitfalls—and we've engineered the solution.

Whether you're migrating 500 users or 50,000, Cortex delivers roles that are Compliant, Scalable, Auditable, and Future-proof.

Let Cortex take the chaos out of your SAP role migration, because redesigning roles shouldn't mean redesigning your entire business.

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