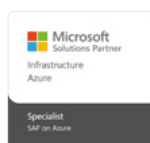




W H I T E P A P E R

Vnomic Solution for SAP RISE Migration Support



Gold Cloud Platform



Vnomic is a global SAP partner specializing in enterprise SAP transformations and migrations to Microsoft Azure. The company works closely with SAP Global Services to support customers adopting SAP RISE, providing planning, architecture, and migration services to move SAP landscapes from on-premises environments or other cloud platforms to Azure.

Through its automated and engineered migration framework, Vnomic helps organizations accelerate their SAP RISE transformation, reduce migration risk, and ensure that SAP systems are deployed and optimized in alignment with SAP and Microsoft best practices.



Scope Overview

Vnomic will provide end to end advisory, planning, coordination, documentation and implementation support for the customer's SAP RISE Infrastructure readiness, connectivity, security integration, and user experience optimization. Services will be delivered in close coordination with the SAP RISE Team, the customer, and relevant third parties to ensure a secure, resilient, stable and performant SAP RISE environment.



All major Project Mile-Stone items (below) include:

- + **End to end project Management**
- + **Coordination of systems and services between all parties**
 - » SAP RISE team
 - » Customer Infra, IT and Application Owner team
 - » 3rd party support or solution providers
 - » Classical datacenter providers
- + **Process Documentation**
- + **High Level Architecture Diagrams (HLD)**
- + **Low Level Architecture Diagrams (LLD)**
- + **Acceptance criteria and delivery documentation** in Vnomic standardized format or customer mandated format / system.
- + **Knowledge transfer** to future support partners incl. HLD / LLD Diagram walk through and QnA session(s)





Infrastructure Readiness

SAP Rise Connectivity and Routing (Primary and SAP RISE DR)

+ tcp CIDR planning, documentation and pre-testing

- » Review of current IP address allocation for SAP RISE integration
- » Validation against future growth scenarios (additional systems, scale-out, DR)
- » Documentation of IP exhaustion risks and mitigation strategies

+ SAP Rise connectivity options (can be combined)

- » o VNet Peering (Mesh)
- » o Customer and SAP RISE DR VNet integration(s)
- » o Cross-Tenant peering(s)
- » o Site to Site VPN
- » o SD WAN
- » o MPLS / BGP
- » o Redundant path (where possible and applicable)

+ Plan and coordinate route setups

- » SAP Rise via UDR
- » Customer Azure Environment by UDR and/or BGP injection from existing ER / VPN
- » Customer on-premise WAN Network via BGP

+ Full Customer to SAP RISE HUB NVA Routing*

+ Full native tcp routing (noNAT)*

+ Avoid async routes*

+ Connectivity validation:

- » Full end to end Benchmarking to validate throughput, latency, jitter
- » Route / UDR testing and validation

SAP Rise DR & Secondary Region Readiness

+ Design and documentation of customer to SAP RISE DR region connectivity

+ Validation of routing behavior during DR events, including:

- » Primary vs secondary routing preference
- » UDR / "BGP" path selection (where applicable)
- » UDR behavior and failover expectations
- » Validation that DR connectivity does not introduce asymmetric routing or security exposure



Please note: applicability depends on customers' existing security profile, risk exposure and current network setup. Vnomic highly recommends a more secured "zero trust" approach against 3rd party networks.



Security

- + **Integrate SAP Rise Networks into existing Security Architecture**
- + **Firewall Integration and/or new dedicated AzFirewall based setup**
 - » Integrate SAP RISE networks into existing Firewall infrastructure or
 - » Plan, document and setup new SAP RISE Firewall rule based on AzFirewall technologies
 - » Least privilege rule design and validation (min: src / dst / prot / port)
- + **Plan, document future security setup based on zero-trust network architecture**
- + **Break Glass Design architecture in collaboration with SAP Rise team.**
- + **Setup access groups based on SAP Rise Virtual and HEC IP address schema**
- + **Minimize customer network exposure to SAP network**
- + **Integrate SAP Rise into existing SSO solution:**
 - » LDAP
 - » LDAPs
 - » Kerberos / SPNEGO
 - » SAML 2.0
- + **Monitoring & Operational Logs**
 - » Integration planning for network and security SAP Rise Traffic monitoring
 - » Validation of logging visibility for SAP RISE connectivity paths
 - » Alignment with customer operational support, tools and escalation models

SAP Rise DNS to customer environment

- + **Establish DNS zone transfer** or forwarding architecture
- + **TTL recommendations and constraints**
- + **DNS failover mechanisms** (manual or automated, as supported)
- + **Enable HA setup**
- + **Comply with SAP standards** and best practices

Customer to SAP Rise Domain lookups

- + **Enable zone forwarding** to SAP Rise provided DNS servers and zones
- + **Enable HA / fail over setup**
- + **Integrate into customers Active Directory Integrated setup**
- + **Include / integrate Azure Private DNS Zones** (if available)
- + **Include Azure / integrate Private DNS Resolvers** (if available)
- + **Comply with SAP RISE mandatory standards and best practices**



General

Project Governance & Cadence

- + **Establish and maintain project governance** including meeting cadence (daily/weekly as required), stakeholder reporting, and escalation paths.
- + **Maintain an integrated project plan aligned to SAP RISE** provisioning milestones and customer dependencies.

Roles & Responsibilities (RACI)

- + **Define and document a RACI model** across SAP RISE, Customer, Vnomic, and third parties, including ownership of approvals and execution tasks.
- + **Clarify boundaries** between advisory, implementation, and SAP-managed operational activities.

Risk / Issue / Dependency Management

- + **Maintain a RAID log** (Risks, Assumptions, Issues, Dependencies) with mitigation plans, owners, and target dates.
- + **Proactively highlight impacts to timeline/cost** when dependencies are not met (e.g., approvals, access, SAP tenant readiness).

Change Control & Configuration Management

- + **Establish change control** with SAP RISE team and involved parties for devices and tasks identified.
- + **Maintain configuration/version** tracking for routing, DNS, firewall rules, and key integration artifacts.

Quality Gates & Acceptance

- + **Define quality gates per milestone** (e.g., design sign-off, build approval(s), build completion, test).
- + **Define acceptance criteria and evidence requirements** (test results, screenshots, logs or config exports).

Cutover / Go-Live Governance

- + **Define cutover governance** including change freeze windows, rollback criteria, and go/no-go decision process.
- + **Coordinate change windows** with SAP, customer CAB, and third parties.

Operational Readiness & Handover

- + **Deliver operational runbooks** for connectivity, DNS, security, and identity troubleshooting.
- + **Conduct knowledge transfer sessions and handover** to customer ops and/or managed services, including "as-built" documentation walk-through.

Change Control

- + **Create / Manage change control** tickets with the SAP Rise team and partners
- + **Create Change Control board** with internal customer stakeholders and involved 3rd parties (other than SAP RISE)

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