# Cabot Microelectronics Builds a Comprehensive, New SAP Landscape to Accommodate its Expanding Business and Support its Growth Strategies

Standardized reporting processes, identified and resolved gaps in the business processes, and reduced the TCO spending on infrastructure

*Cabot Microelectronics was looking to build a new SAP landscape to ensure that its SAP applications are modernized, scalable, secure, and aligned with the constantly-evolving business strategies. This involved upgrading its SAP applications and building a scalable platform to enable cost optimization. Building a new SAP landscape enabled the identification and resolution of gaps in business processes for better management of the applications.*

## How We Helped the Customer in Building a New SAP Landscape

### Engagement Scope:

FyrSoft understood the premise of the customer's initiative and outlined the engagement's scope as:

#### SAP | Building a New SAP Landscape:

Ensure that all the standalone SAP instances are consolidated and integrated on a new, secure, and scalable platform whose architecture aligns with the customer's business strategies.

#### Building a Consolidated Reporting Structure:

Leverage the new SAP landscape to enable a standardized External Segment and Management reporting structure, which in turn drives data to support improved business processes and business decision making.

#### Cost Optimization:

Leverage Azure Cost Optimization practices to ensure that the total spending on infrastructure is reduced and managed as the business continuously expands.

### Our Solution:

Our solution was to build a new SAP landscape on Microsoft Azure for Cabot Microsystems that included development, QA, and production.

The solution included:

- SAP S4 – the application
- HANA – as its Database
- 1909 – as its latest version
- Group Reporting
- FIORI applications for better User Experience
- SAP Solution Manager

Change Request Management (ChaRM) along with Technical Monitoring was configured and delivered with Solution Manager.

The overall landscape was on Azure Virtual Machines with HANA 2.0 Database to enable a multitenant capability and facilitate Capacity Management and Cost Optimization.

### Customer Overview

**Industry:**

Chemical Mechanical Planarization Supplier

**About:**

Cabot Microelectronics Corporation is a leading supplier of slurries used in Chemical Mechanical Planarization (CMP), headquartered in Aurora, Illinois. Founded in 1999, Cabot Microelectronics has a workforce exceeding 2k employees.

**Objective:**

To build a new SAP landscape on Azure to ensure that their SAP applications are aligned with their business strategies.
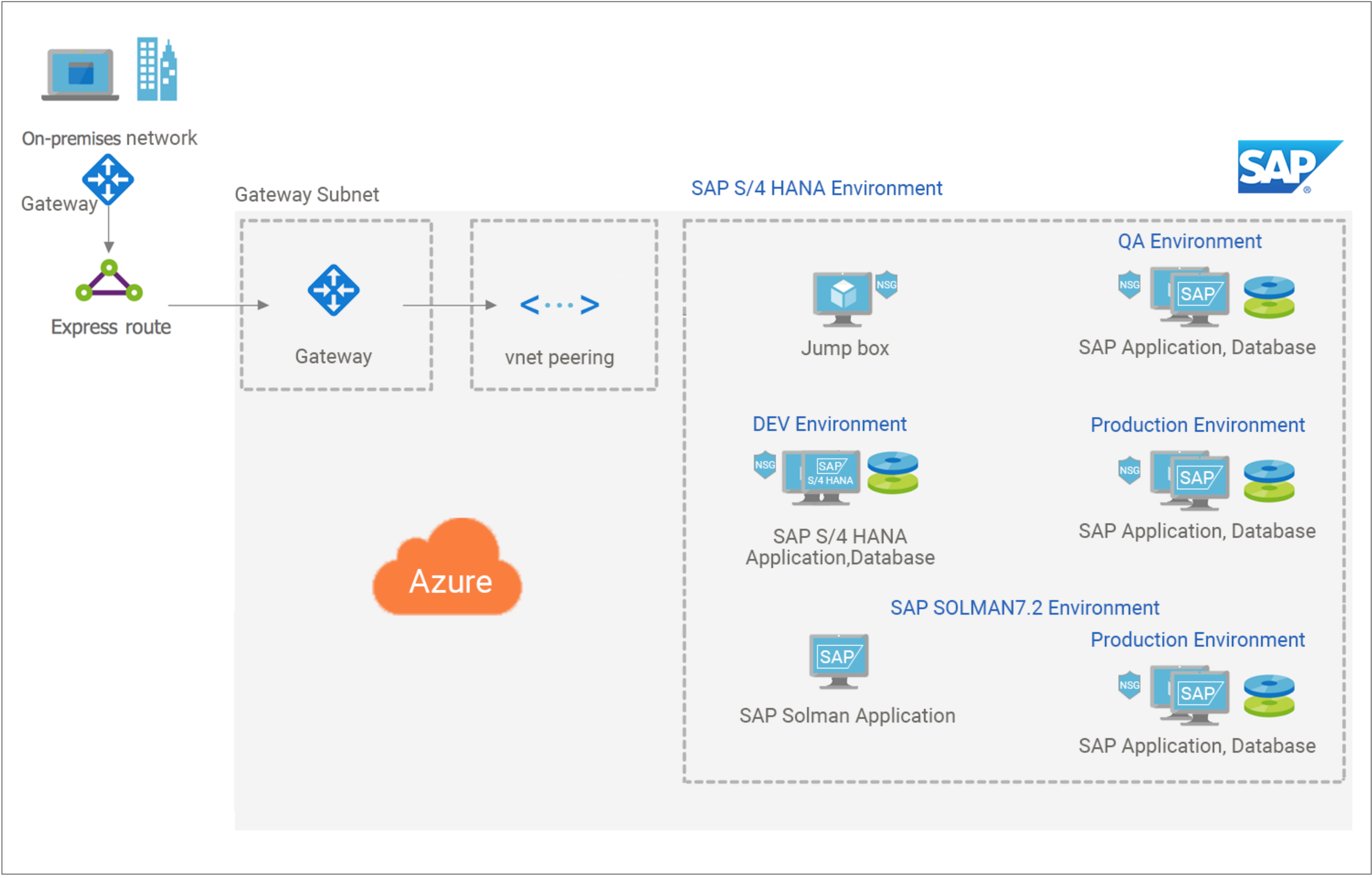
**Solution:**

Develop, validate, and deploy a new SAP landscape and implement SAP S4/HANA 1909; enable Group Reporting and FIORI applications.

**Results:**

Standardization of business process; streamlined External Segment and Management reporting; optimized spending on running the SAP instances & infrastructure.
- Adobe Document Services (ADS)
- SAP Router

## Architecture Overview of the Solution:



### New SAP Landscape Features

Our solution was built to be a 3-tier architecture with 6x Application Servers and 5x Database Servers with these features:

- Azure Cost Optimization
- Network security, OS, and Application security
- Scalability for database
- Embedded FIORI with integrated gateway
- Highly available solution configuration
- Integrated web dispatcher with S4 HANA system
- Adobe Document Services (ADS)
- SAP Router

### fyr✳SOFT – Highlights

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Proven Expertise in SAP on Azure

### Business Takeaways

1. Enabled consistent financial tracking and reporting across the customer enterprise
2. Identified and resolved gaps in business processes to standardize them
3. Enabled the customer to implement a long-term financial consolidations process
4. Leveraged financial data from data streams and reporting to drive business decisions

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