NODE4

# G-Cloud 15

## Service Description

## Data Maturity Assessment

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CHANGE CLIENTS CAN FEEL AT EVERY LEVEL

# ABOUT THE SERVICE

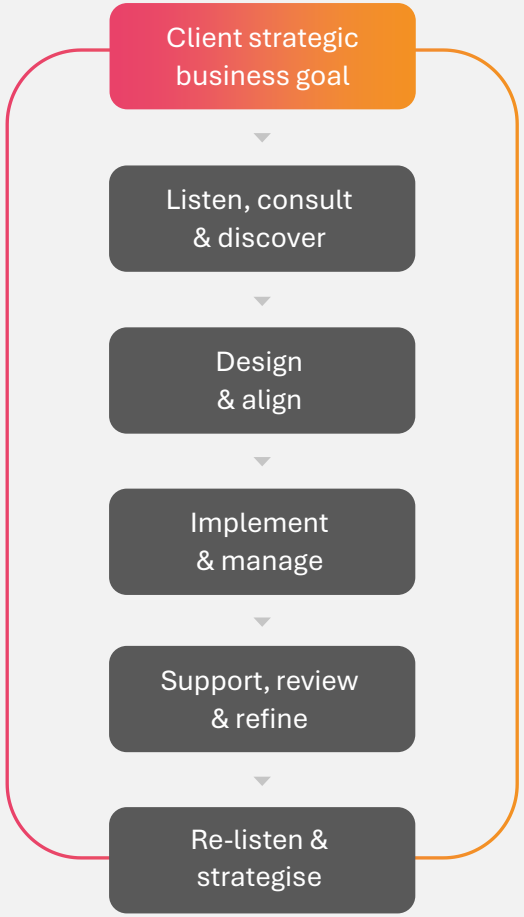
The Data Maturity Assessment service offers a comprehensive evaluation of your organisation's data management capabilities using a capability maturity model. It aims to identify both the strengths and weaknesses in your current data governance and operational capabilities, helping to prioritise improvements and encourage a cultural shift towards more effective data handling.

This service includes assessing data management practices, identifying areas for improvement in data governance and operations, and tailoring the assessment to align with UK government data standards and policies. It supports GDPR compliance and other relevant data protection regulations, provides actionable insights for enhancing data operations, and enables organisations to make better data-related decisions.

The benefits of undertaking a Data Maturity Assessment include a better understanding of your organisation's data management maturity level, promotion of informed decision-making, alignment with best practices in data security, assistance in GDPR compliance, identification of key improvement areas, and support for cultural change towards improved data utilisation. It also helps prioritise initiatives that have a significant impact on data management and governance, improving data quality, reliability, and security.

However, there are constraints to consider. The service requires active engagement from your team and a willingness to implement recommended changes. It focuses on long-term strategic improvements rather than immediate resolutions to specific data handling issues. Organisations must be ready to adapt to cultural shifts in data practices. While the service supports GDPR compliance, the responsibility for ongoing compliance remains with the organisation, necessitating a commitment to continuously evolve data governance practices.

**ON A JOURNEY TO CHANGE, WITH YOU**




**WORKING TOGETHER TO ACHIEVE YOUR GOALS**

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# NODE4 ASPIRE FRAMEWORK

**A delivery framework built for innovation and value creation.**

Node4's ASPIRE Framework delivers a consistent customer journey across all our delivery practices and outlines our approach to delivering end-to-end, secure and transformative services.

| A | S | P | I | R | E |
|---|---|---|---|---|---|
| Assessments & Advisory | Strategy & Business Case | Design & Planning | Implementation, Testing & Go Live | Handover to Run | Service Evolution & CI/CD |

**One Transformation Journey – Many Pathways to Discover**

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# DATA & AI

## Analysis and Strategy

- Data & Analytics Reporting Assessment
- Data Platform Review and Recommendation
- Data Architecture Assessment
- Data Strategy
- Data Maturity Assessment
- Reporting Outcomes Strategic Definition

## Plan and Implement

- Azure Synapse Ad-hoc Consultancy
- Database Installation
- FABRIC I Power BI ad-hoc Consultancy
- Database Migration (Azure SQL DB)
- Fabric Data Warehouse
- Fabric/Power BI Reporting
- Data Science and Machine Learning
- Data Engineering
- Master Data Management
- Power BI Accelerator
- Modern Data Platform and Analytics Architecture

## Run and Evolve

- Database High Availability
- Database Consolidation
- Database Performance Tuning
- DB Healthcheck & Performance Optimisation
- DBA Consultancy
- Database Upgrade
- Data Platform Support

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# CLIENTS

## 1800 CLIENTS, 1800 INDIVIDUAL STORIES OF CHANGE. HERE ARE JUST A FEW

| | | | | |
|---|---|---|---|---|
| Foreign, Commonwealth & Development Office | Ministry of Defence | Ministry of Justice | Department for Environment Food & Rural Affairs | UK Export Finance |
| Department for Levelling Up, Housing & Communities | Homes England | SSRO Single Source Regulations Office | NHS Digital | UKSBS Shared Business Services |
| West Mercia Police | Leicestershire Police Protecting our communities | Cheshire East Council | West Midlands Combined Authority | Care Quality Commission |
| Locala Health & Wellbeing | Ofsted raising standards improving lives | HS2 | HM Land Registry | acas working for everyone |

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acas working for everyone

CHANGE CLIENTS CAN FEEL AT EVERY LEVEL

# CLIENT SUCCESS

## AUTOMATING DATA PROCESSES AND ENHANCING COMPLIANCE WITH ACAS

Having worked in partnership with Acas since 2018, Node4 were on hand to provide insight, advice and a highly skilled team to help them achieve all they had set out to – and with Microsoft's Data Export Service coming to end of life in November 2022, Microsoft Azure Synapse was identified as the perfect tool to support the project.

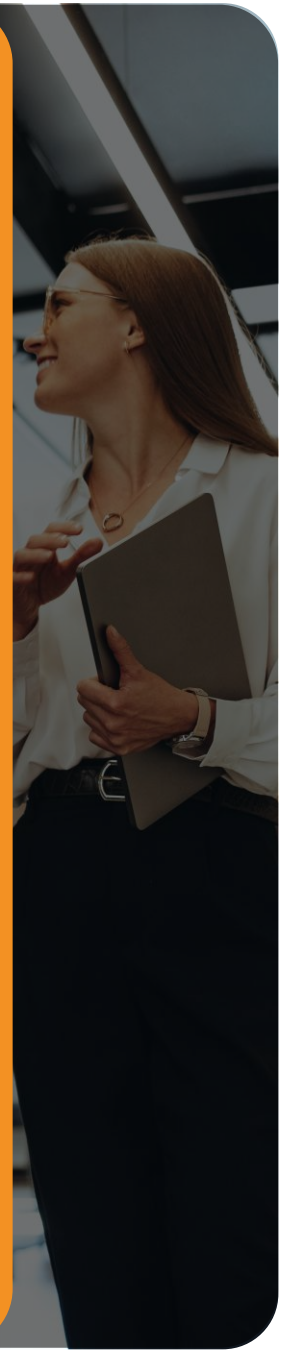
By combining Azure Synapse Link, Azure Data Lake and Azure Synapse Analytics functionality, our Innovation team were able to leverage Microsoft Azure technology to establish a reporting and analytics system to suit Acas's needs; the end solution provides a means to store data securely at an affordable cost, and offers the opportunity to scale up and down, ticking two important boxes.

Meanwhile, Synapse Spark Pools were used to create a Delta Lake to ensure any data stored meets Acas's data persistence and masking requirements. An automated data pipeline feeds into the Delta Lake daily with the latest Insert/Update/Delete operations, and a scheduled purging data pipeline is used to automatically anonymise sensitive data within the Delta Lake, meaning compliance with both internal and GDPR regulations.

Together, these automations give Acas the ability to keep hold of data, even if the process with which it was created has since expired, and harness automation to anonymise – or 'mask' – records to make sure data allows for insight into key performance indicators without the need for personal identifiable information present.

"Given the nature of our work, it's vital our data is secure and that we're meeting GDRP obligations, as well as upholding our own internal standards when it comes to the anonymisation and archiving of data. By introducing Azure Synapse technology and automated processes, Node4 are helping reduce the burden on our team while making sure we're still handling data with the care and sensitivity required."

**MICHAEL BRADSHAW**
HEAD OF IT ARCHITECTURE



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CHANGE CLIENTS CAN FEEL AT EVERY LEVEL

# CLIENT SUCCESS

## WORKING WITH NODE4 HAS HELPED ARRIVA TO DRIVE THEIR DATABASE DESIGN FORWARDS.

Arriva asked Node4 to address two requirements.

Firstly, it asked Node4 to review a key SQL Server database running a critical EPOS application which was suffering from significant performance degradation. Node4 undertook a detailed assessment of the environment including analysis of application queries and indexing strategy coupled with infrastructure performance. This resulted in a clear set of recommendations and agreed remediation actions.

Arriva also asked Node4 to assess the entire SQL Server estate and provide recommendations for a modernised and consolidated configuration. Through detailed onsite review sessions, Node4 were able to identify four alternative architecture options for the SQL Server environment. They documented the pros and cons of each solution, taking into consideration the complexity, supportability and cost implications for each of the options. This enabled Arriva to make an informed decision on the future design of the environment.

> “Arriva wanted to optimise its growing SQL Server estate, so it turned to Node4 for advice and support.”
>
> **ARRIVA TEAM**

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# CHANGE THAT MATTERS

We empower public and private sector organisations by delivering positive outcomes through technology and innovation.

Harnessing our knowledge, passion and talent we help our clients reach their full potential.

**We call it change that matters.**

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# THE JOURNEY SO FAR...

## 2004 - 2014

**THE EARLY YEARS**

Founded in 2004
By Andrew Gilbert
Opened 3 data centres
LETN acquisition

## 2015 - 2016

**BUILDING SOLID FOUNDATIONS**

Bowmark Investment
Premier IT & Reconnix acquisition

## 2017 - 2018

**DEVELOPING PUBLIC CLOUD**

N4Stack Launched covering public cloud, data & DevOps
HSCN achieved

## 2019

**ACQUISITION SUCCESS**

Secura acquisition
Employee Experience Awards winner

## 2020

**PANDEMIC RESPONSE**

Launched N4Engage
COVID-19 Response
Launch of SD-WAN

## 2021

**EVEN MORE GROWTH**

Starcom acquisition
TNP acquisition
MS Azure Expert MSP
Providence Investment

## 2022

**LOOKING TO THE FUTURE**

risual acquisition
Tisski acquisition
Launched Azure Hybrid Cloud
Great Place to Work 3 years in a row

## 2023

**THE FUTURE IS HERE**

TNP, risual, Tisski and core Node4 teams join together
BizApps and Power Platform capability rollout
Microsoft Inner Circle status acquired through Tisski
ThreeTwoFour acquisition

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# IT'S OUR CULTURE THAT MAKES A REAL DIFFERENCE TO YOU

When it comes to ESG, our actions speak for themselves.

**NET ZERO by 2030**

We already power our data centres with renewable power. Beyond that, we partner with Carbon Neutral Group to offset our other emissions.

**UNITED NATIONS SUSTAINABILITY DEVELOPMENT GOALS**

We're continually working to align our CSR strategy and activities with the United Nations 17 Sustainable Development Goals (SDGs) at both a local and national level.

Each of our employees is fuelled by a passion for technology and what it can do to make your organisation grow.

We're vibrant, passionate and united by a dedication to delivering **EXCEPTIONAL SERVICE AS A STANDARD**, not only to our clients, but to each other too.

Best Workplaces™ Medium Organisations Great Place To Work. UK 2020

Best Workplaces™ Large Organisations Great Place To Work. UK 2021

Best Workplaces™ Large Organisations Great Place To Work. UK 2022

VERY GOOD TO WORK FOR 2023 cert.b.co.uk

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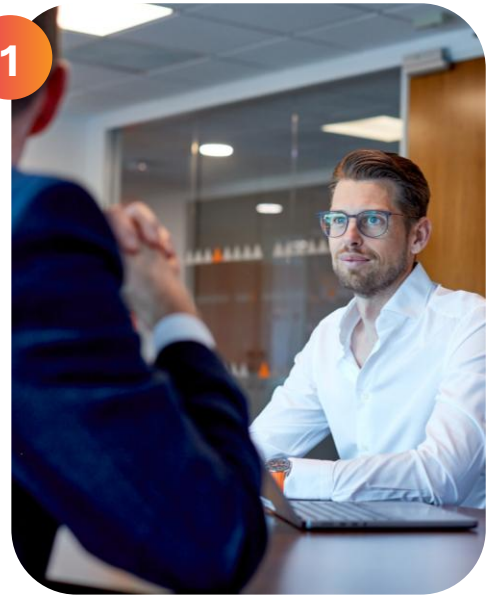
# WHY PARTNER WITH US?

1



## PROVEN

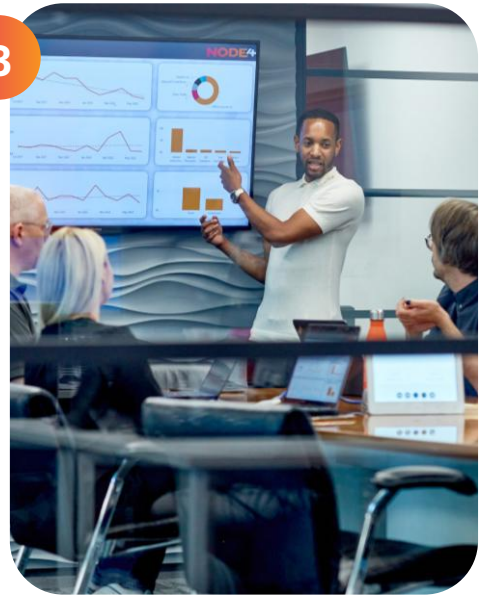
20 years delivering outcomes as the IT partner of choice for over 1800 organisations

2

## CAPABLE

Utilising our expertise & knowledge from the highest IT accolades & accreditations to deliver innovative technology solutions

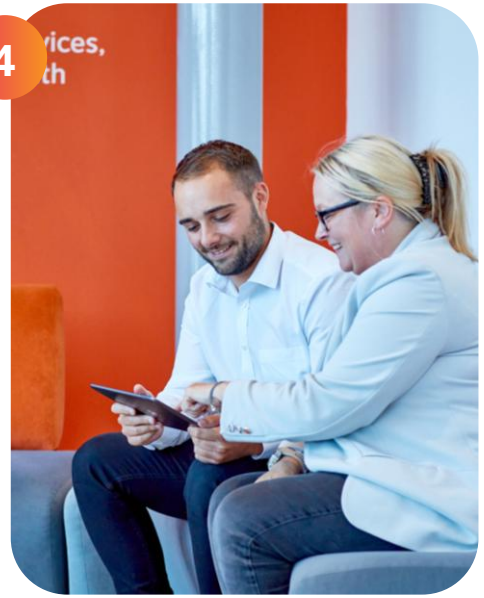
3



## SCALE & AGILITY

We are big enough to deliver yet agile enough to care, always ensuring exceptional service comes as standard

4



## WE DELIVER

Everything we do is developed & executed with your outcomes in mind to ensure we deliver change that matters

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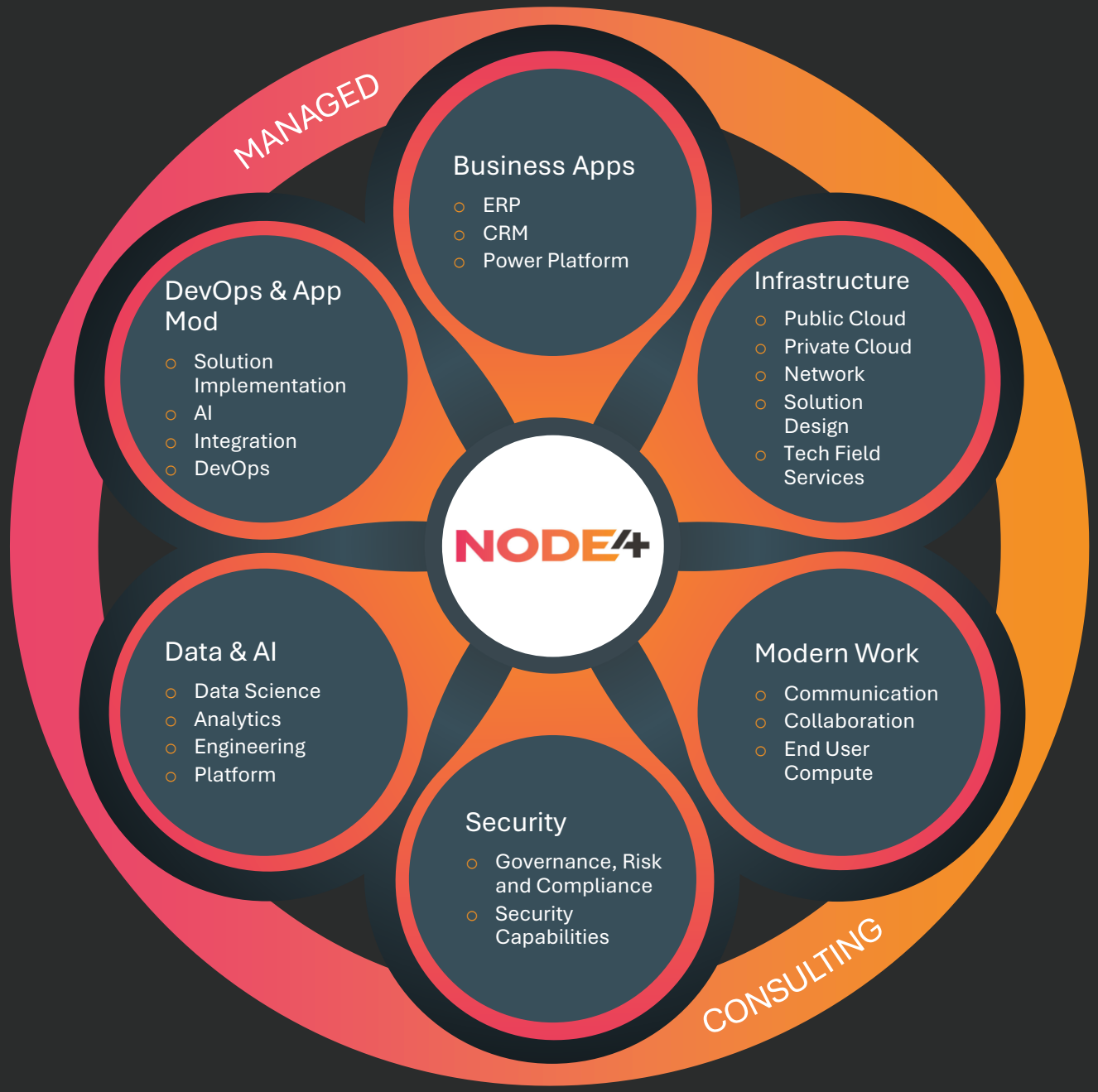
# NODE4 CAPABILITIES

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