Crayon Cloud by Design

"Get to the cloud one workload at a time"

WHAT IS CRAYON CLOUD BY DESIGN?

Crayon understands that sometimes a holistic move to the cloud is not the best option for a company. Thus, Crayon Cloud by Design offers clients the option to to choose which workloads to move to the cloud. This offering gives insight into the ins and outs of decisions made while transitioning systems to the public cloud. Crayon Cloud Architects provide guidance through the architectural best practices needed for designing and operating reliable, secure, efficient, and cost-effective systems in the cloud.

Crayon Cloud by Design provides a way to consistently measure performance against best practices in the cloud and identify areas for improvement.

WHAT IS A *WORKLOAD*?

The concept of a workload is used to identify a set of components that, together, deliver business value. In other words, a workload is any system or combination of systems that is using a similar underlying operating system and resources. (i.e. SQL workload, Oracle workload, CRM workload etc.)

Any line of business application or any segment of the IT infrastructure landscape can be a workload.

PROCESS OVERVIEW

1 Client Chooses Workloads to Consider

2 Crayon Conducts Cloud by Design Workshop

3 Crayon Delivers Proof of Concept
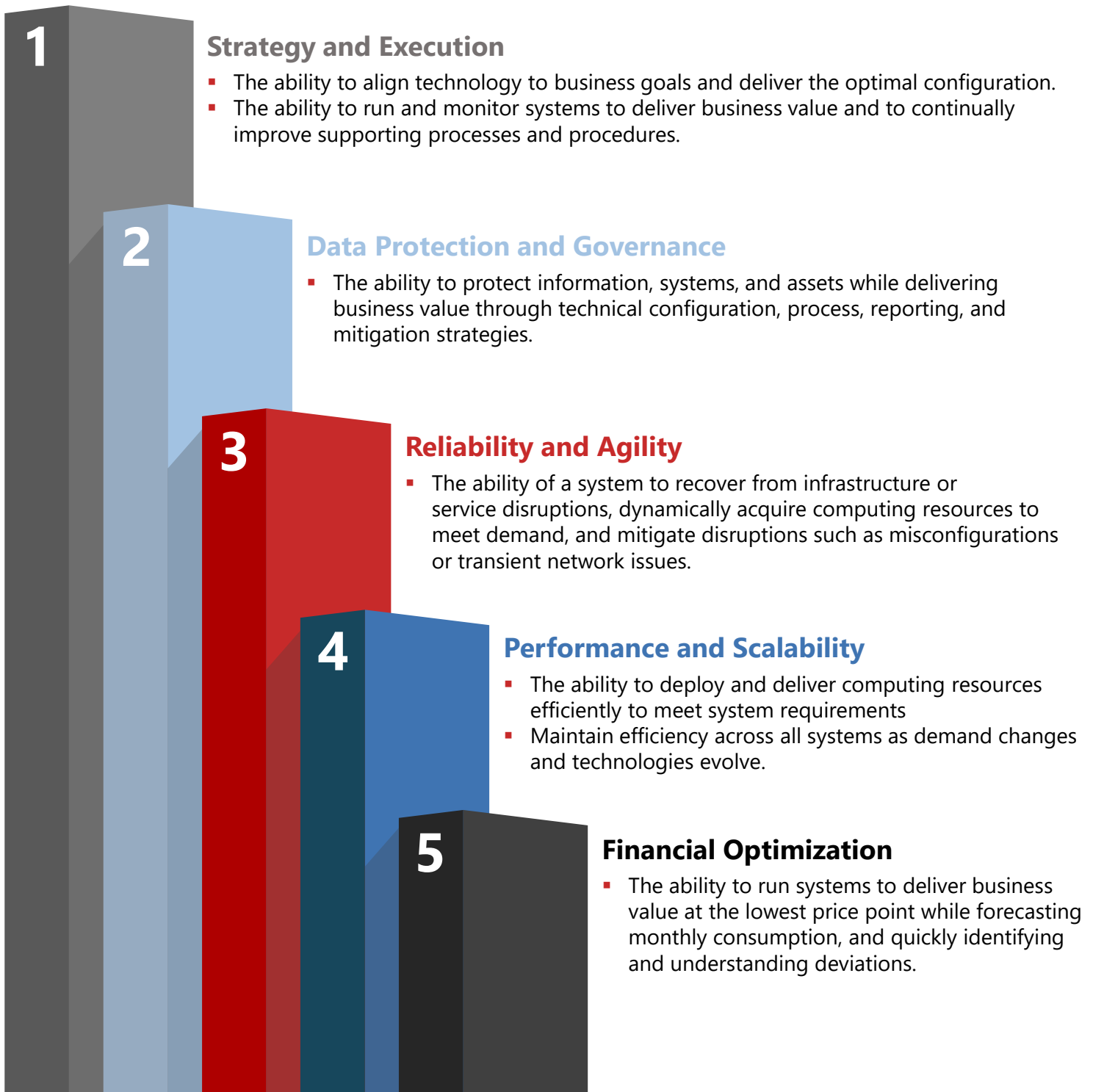
4 Crayon Executes Full Migration

5 Crayon Enables Optimization and Innovation

THE FIVE PILLARS

After choosing the Workloads to be assessed, Crayon will look at five areas of interest, better known as the Five Pillars or Crayon Cloud by Design.

When assessing a technology ecosystem, Crayon Cloud Architects will look at strategy and execution, data protection and governance, reliability and agility, performance and scalability, and financial optimization. After the analysis is complete Crayon will provide a maturity rating for each pillar, a set of recommendations to increase that rating, and a proof of concept (POC) to ensue viability in the cloud.

1

Strategy and Execution

- The ability to align technology to business goals and deliver the optimal configuration.
- The ability to run and monitor systems to deliver business value and to continually improve supporting processes and procedures.

2

Data Protection and Governance

- The ability to protect information, systems, and assets while delivering business value through technical configuration, process, reporting, and mitigation strategies.

3

Reliability and Agility

- The ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues.

4

Performance and Scalability

- The ability to deploy and deliver computing resources efficiently to meet system requirements
- Maintain efficiency across all systems as demand changes and technologies evolve.

5

Financial Optimization

- The ability to run systems to deliver business value at the lowest price point while forecasting monthly consumption, and quickly identifying and understanding deviations.

ROADMAP

Crayon uses the following process to consistently measure clients' architecture against best practices in the cloud and to identify areas for improvement. By the end of the process, the workloads chosen for migration to the cloud will be fully optimized and developed, thus allowing customers to focus on core business strategy, knowing that data and assets are secured.

Phase 0

Goals and Objectives
- Ensure all relevant stakeholders are aligned with the goals and objectives of the Crayon Cloud by Design solution, and that there is a clear understanding of how said objectives will be achieved.
- Document the objectives and allocate responsibilities/ownership to the relevant stakeholders.

Phase 1

Cloud Strategy
- Formulate the scope and begin to build the plan based on key objectives.
- Start to collate all the information needed to be able to make the correct strategic decision. (This may involve working with third parties and partners.)

Phase 2

Management Process
- Assess all current policies and processes, and add/amend said policies and processes to facilitate the new cloud technology.
- Document, raise awareness, train, and implement new policies and processes.

Phase 3

Data and Workloads
- Identify all workloads and data that is to be considered for movement to the cloud, and understand its dependencies as well as the impact of the potential move
- Identify the risks in terms of business impact, cost, end user satisfaction, data encryption, data protection, and governance.

Phase 4

Migration POC → Production
- Identify workloads in conjunction with the customer that are ideal for the POC and migration process.
- Select up to 5 workloads to be migrated to the Cloud as Proof of Concept. Once IT and User Testing is complete, systems are moved to production within the Cloud Infrastructure.

Phase 5

Optimization and Innovation
- Provide Optimization services to maximize costs and deliver predictability for budgeting process.
- Identify innovative technologies to drive additional business and technology value.
- Deliver value by educating and implementing advanced technologies like services-based architecture, serverless computing, platform as a service, AI, and Machine Learning