

Principles and properties	Structures
Versatility	Module
✓ Conceptual integrity	Dependency
Independently changeable	Process
Automatic propagation	✓ Data access
Buildability	
✓ Growth accommodation	
✓ Entropy resistance	

## CHAPTER FIVE

# Resource-Oriented Architectures: Being “In the Web”

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**Architecture is inhabited sculpture.**

—Constantin Brâncuși

**IN THIS CHAPTER, WE WILL OBSERVE THAT AN INFORMATION-FOCUSED ARCHITECTURE** in the Enterprise demonstrates some of the same positive properties as the Web: scalability, flexibility, architectural migration strategies, information-driven access control, and so on. In the process, it empowers the business side of the house to make capital investment and software development decisions based on business needs, not simply because fragile technology choices require them to pay for flux.

## Introduction

It is with great shame that we as an IT industry must acknowledge this embarrassing fact: it is easier for most organizations to find information on the Web than it is to find information in their own systems. Think about that for a moment. It is easier for them to locate data, through third parties, on a global information system than to do so within environments in which they have complete control and visibility. There are many reasons for this travesty, but the biggest problem is that we tend to use the wrong abstractions internally, overemphasizing our software