# Intelligent Caching Engine by Adaptigent™

A distributed, in-memory data cache designed to dramatically improve performance of mainframe integration load and reduce costs.

## Your Legacy Crisis

While mainframe systems remain one of the most secure and high-volume transaction processing solutions available in the market, the fact is that their operating costs continue to increase year after year. Many companies are looking for innovative ways to reduce these rising costs while continuing to deliver critical solutions to the business. This is particularly true when building external APIs into mainframe applications, as they open up the potential for even greater processing power consumption.

## Not Your Typical Cache

Adaptigent's Intelligent Caching Engine is a first of its kind, pre-emptive cache that is designed to reduce mainframe integration load and operational costs while reducing API response times for mission-critical data and transaction calls.

We do this by temporarily storing the results of repetitive requests for data in a low-cost, distributed memory cache running on commodity hardware. It puts full control in the hands of an integration designer, working side-by-side with a business analyst, to explicitly define which data elements are cacheable ahead of time, with an unprecedented level of granularity, using a truly no-code visual interface.

## Improve Response Times

Free up computational resources on your legacy systems while significantly improving response times back to callers with our Intelligent Caching Engine.

- **In-memory distributed caching solution for data coming back from the mainframe**
- **Intelligent and explicit caching with support for dynamic and pre-emptive caching strategies**
- **No-code, drag-and-drop interface**
- **Designed to increase performance and reduce peak mainframe load**

# Adaptigent

**Adaptigent intelligent solutions enable organizations to take mission-critical data and transactions and connect them with the modern world, without writing a single line of code.**

**Empowering the adaptive, intelligent enterprise™**

Adaptigent's patented Intelligent Caching Engine provides a pre-emptive, inmemory, distributed cache that allows you to pre-load highly cacheable data with defined expiration policies at periodic intervals when mainframe demand is relatively low, in order to offload more mainframe processing when demand is high. Utilizing partial caching strategies, where a single API request may have cacheable and non-cacheable elements to it, the Fabric runtime environment will intelligently pull data from the cache, and combine it with live data from the mainframe to fulfill the API request.

## Highly Intelligent

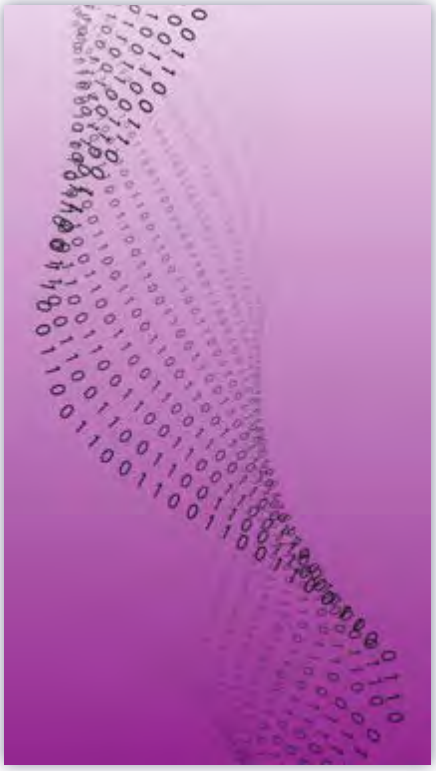
Traditional caching engines use a naïve proxy cache that only caches the entire transaction, or none of it. Our caching engine uses workflows that allow users to enable and set caching policies at the individual mainframe transaction level. This allows business analysts, who understand the context of the data, to work with IT analysts to set appropriate caching policies in a highly granular way.

## Pre-emptive

The Intelligent Caching Engine can pre-emptively cache data defined by the integration designer, allowing you to pre-load the cache with highly cacheable data at periodic intervals where mainframe demand is relatively low, in order to offload more mainframe processing when demand is high.

## Partial Caching

The engine supports partial caching, in which a single API request may have cacheable and non-cacheable elements to it. The runtime environment will intelligently pull data from the cache, following fine grained expiration policies, and live data from the mainframe to fulfill the API request.



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