



Smarten

Advanced Data Discovery

Powered by ElegantJ BI

High Availability Architecture

Business Intelligence & Advanced Data Discovery

Document Information	
Document ID	Smarten-High-Availability-Architecture
Document Version	4.0
Product Version	5.0 and above
Date	3-December-2018
Author	EMTPL

© Copyright Elegant MicroWeb Technologies Pvt. Ltd. 2018. All Rights Reserved.

Statement of Confidentiality, Disclaimer and Copyright

This document contains information that is proprietary and confidential to EMTPL, which shall not be disclosed, transmitted, or duplicated, used in whole or in part for any purpose other than its intended purpose. Any use or disclosure in whole or in part of this information without the express written permission of EMTPL is prohibited.

Any other company and product names mentioned are used for identification purpose only, may be trademarks of their respective owners and are duly acknowledged.

Disclaimer

This document is intended to support administrators, technology managers or developers using and implementing Smarten. The business needs of each organization will vary and this document is expected to provide guidelines and not rules for making any decisions related to Smarten. The overall performance of Smarten depends on many factors, including but not limited to hardware configuration and network throughput.

Contents

1 Introduction 4

2 High Availability Architecture with Smarten 4

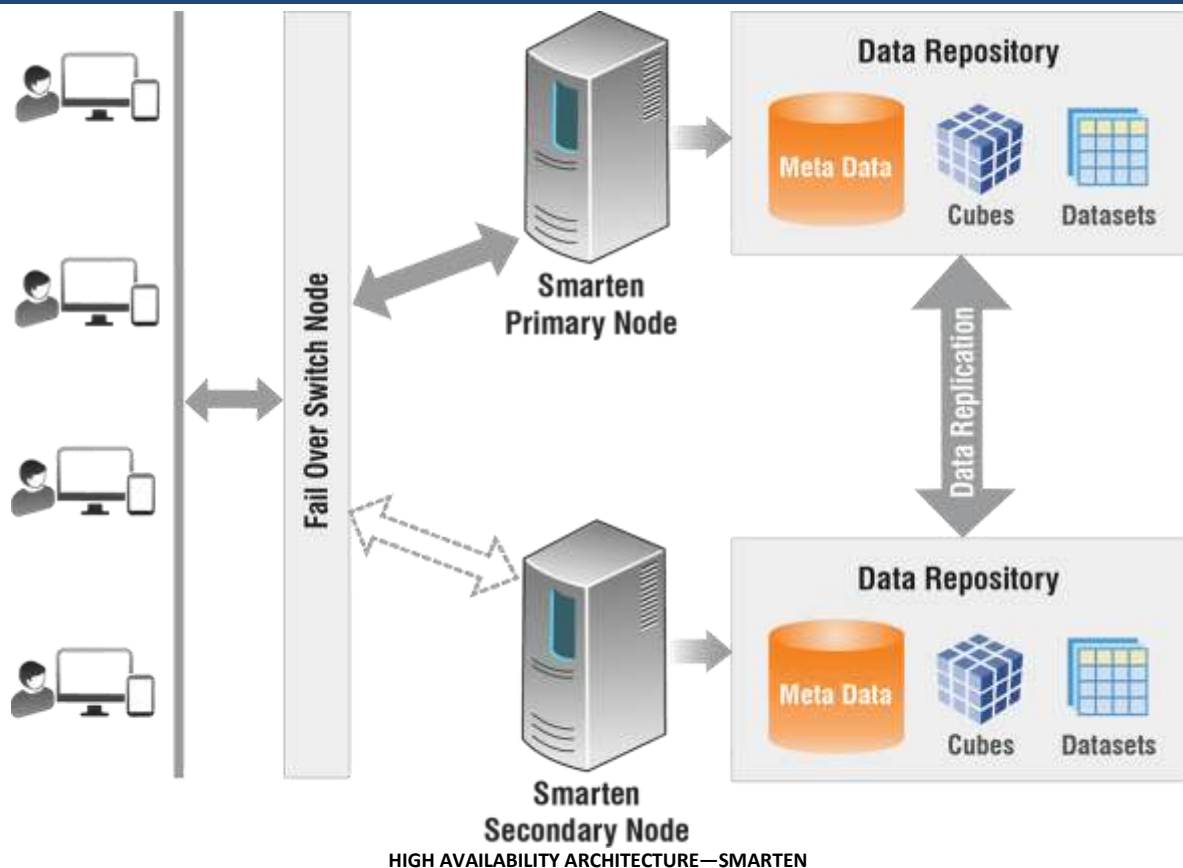
3 Product and Support Information 5

1 Introduction

High availability architecture is an approach of defining the components or resources of a system which ensures optimal operational performance and higher uptime of the system. The prime objective of implementing High Availability architecture is to make sure your system or application is configured to handle different loads and different failures with minimal or no downtime.

High availability architecture traditionally consists of a set of loosely coupled servers which have failover capabilities. Failover is basically a switching mechanism which makes secondary node operational when the primary one goes offline due to failure. Below is the proposed architecture for high availability of Smarten application.

2 High Availability Architecture with Smarten



Key components

- **Failover switch node** – Requests from clients will be route through this node. This node can be software or hardware node which is configured to switch to secondary node when primary node goes down or fails. For software node, it can be configured using Apache web server which provides failover switching mechanism.
- **Smarten Primary node** – This is a Smarten primary node which works a master node. In normal situation, all the requests from clients will be route to this node.
- **Smarten Secondary node** – This is Smarten secondary or backup node. It will be configured with same configuration like primary node. It will have its own Smarten data repository and metadata DB. This data repository will be synchronized thorough data replication mechanism to keep it up-to-date.

- **Data Replication** – Data replication mechanism can be setup based on infrastructure and utilities available in your environment.

3 Product and Support Information

Find more information about ElegantJ BI-Smarten and its features at www.smartent.com

Support: support@smartent.com

Sales: sales@smartent.com

Feedback & Suggestions: support@smartent.com

Support & Knowledgebase Portal: support.smartent.com