基于 GlusterFS 的数据分布策略研究

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概述

本研究致力于在分布式（或高性能计算）环境下，针对不同工作负载进行冷热数据动态负载均衡。主要思想是：

- 对用户程序实时监控，抽取与 IO 操作相关性较大的行为特征;
- 根据用户 IO 读写历史对文件系统中的数据进行聚类;
- 将用户、用户程序特征与聚类后的数据进行关联;
- 针对正在运行或即将运行

GlusterFS 简介

- Your introduction goes here!
- Use `itemize` to organize your main points.

Examples

Some examples of commonly used commands and features are included, to help you get started.

Tables and Figures

- Use `tabular` for basic tables — see Table 1, for example.
- You can upload a figure (JPEG, PNG or PDF) using the files menu.
- To include it in your document, use the `includegraphics` command (see the comment below in the source code).

Item	Quantity
Widgets	42
Gadgets	13

Table 1: An example table.

Readable Mathematics

Let $X_1, X_2, \ldots, X_n$ be a sequence of independent and identically distributed random variables with $\mathrm{E}[X_i] = \mu$ and $\mathrm{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n} \sum_{i}^{n} X_i$$

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.