

A STUDY ON ORPHAN PROCESSES IN THE DISTRIBUTED SYSTEMS ENVIRONMENTS

LIMI KALITA¹ & LAKSHMI PRASAD SAIKIA²

¹M. Tech Student, Department of Computer Science & Engineering, Assam Down Town University, Guwahati, India

²Professor & HOD, Department of Computer Science & Engineering, Assam Down Town University, Guwahati, India

ABSTRACT

In distributed computing, orphan process are unwanted computations that creates problems like corruption of data, wastage of resources like CPU, memory, databases, squandering of server execution time and may lead to deadlock thus slowing down the performance of computers and affecting reliability of the entire system. This paper presents an overview on various issues in orphan handling and describes several techniques for detecting and terminating of the orphans in distributed systems.

KEYWORDS Orphan Process, CPU, Memory, Databases, Squandering, Deadlock