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Patent Search & Analysis Report (PSAR)

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Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used	:	Google Patents
Keywords Used for Search	:	web-based client-server communication,client side channel detection,client server channel detection and selection
Search String Used	:	web-based client-server communication
Number of Results/Hits getting	:	35,069

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention	:	COMPUTER ENGINEER
Invention is Related to/Class of Invention	:	client server communication
Title of Invention	:	WEB-BASED CLIENT/SERVER COMMUNICATION CHANNEL WITH AUTOMATED CLIENTSIDE CHANNEL DETECTION
Patent No.	:	US 6,795,851B1
Application No.	:	09/596763
Date of Filing/Application	:	19/06/2000
Priority Date	:	19/06/2000
Publication/Journal Number - (Issue No. of Journal in which Patent is published)	:	US 6,795,851B1
Publication Date	:	21/09/2004
First Filled Country	:	United States
Also Published as		

Country	Patent No

Applicant for Patent is	:	Individual

- INVENTOR DETAIL

Name of Inventor	Address/City/Country of Inventor
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- APPLICANT/ASSIGNEE DETAIL

Name of Applicant/Assignee	Address/City/Country of Applicant
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Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

A TCP/IP-based software application client/server commu nication channel construction mechanism is presented. The mechanism constructs a dedicated bi-directional data transmission for a`single client/server session. The server software, running on a server host computer, provides session-based data services to one or more software clients.

The client process supports one or more execution environ mentsincluding:text-basedscripting,JavaorActiveXcom ponents. The invoked code executing within the client Computer detects the most attractive execution environment available within its execution environments, and uses the services of that execution environment client process to establish an optimal communication channel back to the server software process.Depending on the execution environment(s) available to the invoked code, the commu nication channel may be: (a) a content-independent, bi-directional transmission control protocol (TCP) connection, or (b) a content-dependent TCP connection, such as a TCP connection supporting only a single HTTP request/RSI)Onse Pair

Specific Problem Solved/Objective of Invention :

The present description is of the best presently contem platedmode ofcarryingouttheinvention.Thisdescription is made for the purpose of illustrating the general principles of the invention and should not be taken in a limiting sense. The scope of the invention is best determined by reference to the appended claims.

Brief about Invention :

he present invention relates to communication in infor mation exchange systems, particularly to communication in distributed netWork systems, and more particularly to com munication in distributed netWork systems With Web-based (e.g., Hypertext Transmission Protocol, HTTP) communi cations components.

Key Learning Points :

The detailed descriptions that folloW are presented largely in reference to examples relating to information handling devices and in form a on exchange systems in terms of methods or processes and symbolic representations of opera tions Within information handling devices. These method descriptions and representations are the means used by those skilled in the data processing arts to most effectively convey the substance of their Work to others skilled in the art.

Summary of Invention :

The present invention is directed to an improved system and method for establishing client/server communication channel in information exchange systems. In accordance With one aspect of the present invention, a client/server communication channel is established in a distributed net Work environment by deploying a communication agent at the client side for automatically determining the client-side endpoint feature and selecting the optimal (e.g., most ef? cient and stable) communication protocol based on such feature (e.g.,clientcon?guration,?reWall,Appletsupport, broWser type). The communication agent may have a rela tively small file size on the order of 10 Kb.

Number of Claims	:	20
Patent Status	:	Published Application
How much this invention is related with your IDP/UDP?	:	< 70 %

Do you have any idea to do anything around the said invention to improve it? :

We must implement tcp protocol.It is Connection oriented concept and very efficient in context of data transfer and storage.