

# Intelligent Network Modeling for Effective Dissemination of Marxist Ideology Based on Distributed Internet Architecture

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**Abstract:** The extensive use of network technology can effectively alleviate the contradiction between the communication subject, the communication object and the communication medium, and improve the timeliness of information dissemination. Constantly improve the new model of popularization of Marxism. For example, scientifically setting up Marxist popular communication topics that keep pace with the times; optimizing the Marxist popular communication framework suitable for mass participation; actively creating a healthy and upward Marxist popular communication environment, etc. Pay attention to solving online problems offline, highlight the importance of maintaining the dominant ideology from the perspective of solving practical problems; expand the international discourse power and enhance the radiating power of Marxist ideology.

**Keywords:** Intelligent Network Modeling, Effective Dissemination, Distributed Internet Architecture

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## 1. INTRODUCTION

The Internet has opened up a new path for the construction of socialist ideology, but also brought unprecedented challenges [1]. The public's attitudes, concepts, and positions on public issues and managers can be highly concentrated and disseminated rapidly in a relatively short period of time through an open Internet platform, snowballing to attract the participation of [2] other netizens to form public opinion. Among them, extreme and negative opinions and attitudes have been widely spread through the Internet. On October 18, 2017, the 19th National Congress of the Communist Party of China was held in Beijing [3]. General Secretary Xi Jinping clearly pointed out at the meeting that "it is necessary to promote the Sinicization of Marxism, the popularization of the times, the construction of A socialist ideology with strong cohesion and leadership" [4].

Almost 98% of the market share of China's mobile market is occupied by Google and Apple, that is to say, 98% of the information in my country's mobile market may be held by the US government [5]. There are many such cases. Obviously, the Internet has become an important tool for opposition forces to infiltrate my country's ideology. On the afternoon of July 23, 2014, SAIC Motor and Alibaba signed a strategic cooperation agreement on "Internet Cars" in Shanghai. From now on, the two parties will cooperate in the field of "Internet car" and related services [6], and jointly build a future-oriented "Internet car" and its ecosystem.

The term Internet car was officially proposed. At present, all large state-owned commercial banks use IBM mainframes to build their core business [7] systems. The centralized architecture of mainframes has the characteristics of being centralized, proprietary, and closed. System software and tools are controlled by [8] American companies such as IBM, BMC, and CA. Build and operate expenses continue to be the bulk of a bank's IT investment. At present, these measurement frameworks have the [9] following shortcomings: lack of a customized system for measurement and analysis solutions oriented to application requirements; insufficient and fragmented analysis methods, not systematically added to the architecture; measurement items are mainly limited to delay,

discard rate [10], throughput and other performance indicators, without considering various application requirements, such as intrusion detection, vulnerability measurement, etc. [11]

With the rapid popularization of 3G and 4G networks and mobile smart terminals in my country, the mobile Internet has been fully integrated into the work and life of modern people, changing everyone's living habits and consumption patterns. Mobile shopping [12], payment, ticket booking, entertainment services, etc. have become It is an important part of people's spare time activities, which promotes the rapid development of mobile e-commerce, which uses mobile data terminal equipment to participate [13] in business operations. Due to the division of disciplines, the research on the guidance of network public opinion has been stuck in a few disciplines such as journalism and communication. within the category. In fact, we can also find a lot of lessons from the classic Marxist theory [14].

From a practical point of view, entering a new era of socialism with Chinese characteristics and promoting the popularization of Marxism requires not only following scientific theories [15], but also allowing people to focus more on thinking about practical issues and breaking through the inherent Marxist theory dissemination model. Internet public opinion is a new thing that has emerged in recent years and continues to grow. Contribute to maintaining the dominance of my country's Marxist ideology [16]. The Internet can be used as an information dissemination tool to provide a propaganda platform for Marxist ideology, and it is easy to be used by the enemy, becoming a new battlefield for capitalist ideology against Marxist ideology [17].

On this basis, Zhejiang University ESE Engineering Center has developed a set of Internet-based vehicle management system. Users can use this system to realize vehicle reservation [19], vehicle rental and other functions. At the beginning of the design, this system did not consider the situation of a large number of users, only a single server was used, and the architecture was relatively backward [20].

Alipay's "Double Eleven" flash sale promotion and Tencent's WeChat Spring Festival "Shake it for Red Envelopes"

campaign [21] have created miracles that the concurrent transaction volume per unit time far exceeds the peak transaction volume per unit time of major state-owned commercial banks. The architecture does not comply with the X/Open XA distributed transaction management protocol [22].

## 2. THE PROPOSED METHODOLOGY

### 2.1 The Distributed Internet Architecture

Data packets are captured through the configuration of key devices (such as the NetFlow function of Cisco routers) or packet capture software (such as Tcpdump), and the collection granularity and monitoring information can be customized according to test requirements [23]. Some measurements (such as topology discovery) require a combination of active detection and network management data.

An important principle of distributed system design is low coupling, minimizing the interdependence between various subsystems. However [24], each module in a distributed system needs to coordinate and cooperate, and each process also needs to communicate. Remote procedure call RPC and message queue are commonly used technologies in distributed system design. Among these distributed technologies, in order to respond more quickly to the needs of business departments, system changes and applications are frequently launched, and it is difficult to control operational accidents caused by changes.

The main control station is responsible for receiving measurement and analysis requests, and issuing measurement and analysis instructions to realize the scheduling of measurement and analysis tasks and the output of results, and is responsible for the management of the entire system. The service proxy for analysis requests is responsible for receiving measurement and analysis requests from users. The data source layer is composed of structured and unstructured data distributed in multiple application systems in the network, which can be either data in a database or a Document data; the data processing layer mainly extracts the original data from the relevant application systems or documents, and performs a series of processing on these data and saves them in a file in a defined and standardized format.

### 2.2 The Marxist Ideology

AbbitMQ Server. RabbitMQ Server, also called broker Server, maintains a path from producers to consumers. Among them, two components, Exchange and Queue, are also included. Exchange is where producers publish messages. The database operation pressure is outstanding. The infrastructure of the core business system, especially the database, is getting bigger and bigger, and there is no experience of manufacturers and foreign counterparts to learn from. It is necessary to "cross the river by feeling the stones". We often encounter some small-probability "first failures", and once the highly centralized database fails, the entire bank will be shut down.

As a foreign culture, Marxism has a process of gradual formation, development and improvement. However, when it was first introduced into China, due to the lack of translation conditions and dissemination mechanisms at that time, it caused certain difficulties for most people to understand the theory. had a strong impact on our country. As Huntington put it in "The Clash of Civilizations and the Reconstruction of the World Order," these "cultural empires" took advantage of their economic dominance to impose their "methods of economic, political, and cultural control on other nations." the result must be that the cultures of developing countries are

often controlled, invaded or even replaced by Western cultures. Media public opinion and ideology are inherently inseparable.

In Marx's eyes, ideology is an important basis and leading ideology for judging national interests, and it is an important issue related to whether the cause of human social liberation can be accomplished. Before the popularization of network information technology, the forms of popularization of Marxism mainly include: translation and publication of Marxist classics, creation of Marxist-related magazines and publications, articles and reports, school ideological and political theory courses, and Marxist forum lectures, etc. The traditional logos concept holds that all spiritual culture can reflect or metaphorize a certain value rationality, and all belong to or cover a certain ideology. With the deepening of reform and the deepening of openness, the market

The further development of the economy and the strengthening of the internationalization trend have all contributed to the diversification of social thoughts in our country. For example, Mr. Ma Licheng pointed out on different occasions that there are eight major social ideological trends in my country today, including Deng Xiaoping thought, old left thought, new left thought, liberal thought, and democratic socialist thought.

### 2.3 The Intelligent Network Modeling for Effective Communication of Marxist Ideology

Online public opinion has gradually become a habitual way of discussing matters of the general public, which has also brought new opportunities and challenges to the construction of mainstream ideology in our country. Expressing intentions without hesitation, resulting in deviations in the orientation of public opinion. Theoretical innovation is also a consistent principle followed by the Party's theoretical development in the process of Sinicization of Marxism. From Mao Zedong Thought to Deng Xiaoping Theory, the important thought of "Three Represents", the Scientific Outlook on Development and then to Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era.

Among them,  $m$  is the total number of samples,  $k$  is the number of clusters,  $B_k$  is the inter-cluster covariance matrix,  $W_k$  is the intra-cluster covariance matrix, and  $tr$  is the trace of the matrix.

Realize the organic combination of Chinese and Western cultures and promote the scientific development of Marxist theory. Secondly, starting from the people's livelihood, pay attention to people's development and spiritual improvement, and solve practical problems of people. In order to effectively promote the popularization of Marxist theory, it is necessary to make people truly recognize Marxism from the heart. The homepage of the mobile mall APP adopts the most commonly used entry-direction homepage interface design scheme, which makes the homepage no longer a real consumption activity And the main scene of the dialogue with the user, but more of a diversion role. The layout of the home page is in the form of a grid, so as to simplify the presentation of the content of the home page. It is necessary to return to the classic texts of Marxism, read and think deeply, strengthen the theoretical foundation, and increase the degree of understanding. The essence of Marxist theory is to continuously make self-renewal and development in combination with practice, but this adjustment and update is not completely separated from or cast aside the classics, but through a larger number.

### 3. CONCLUSIONS

The construction of Marxist ideology in the Internet age should be "retreat" and "pragmatic". Although this paper mainly discusses the construction of Marxist ideology in the Internet age from the perspective of superstructure such as theory, thought, and concept. In the front end of HTTP service and UDP service, we have built a load balancing server. The number of HTTP servers and UDP servers can be added and removed as traffic changes. In order to make the back-end HTTP server and UDP server load more balanced, we have adopted a round-robin strategy, which also brings more challenges to the system architecture design and the key technologies adopted.

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