

Analysis Report on Cost-Benefit Analysis of the “Cloud Invoice Public Cloud Service Sustainable Operation Project” and Explanation of Related Financial Resource Allocation and Fund Utilization for the Fiscal Year 2025 Budget Proposed by the Ministry of Finance

Cost-Benefit Analysis of the Chosen Plan and Alternative Plans

1. The Objective of the Plan: To establish a robust, secure, resilient, and sustainable cloud invoice service environment, this project adopts the implementation strategy of leveraging public cloud infrastructure to strengthen service resilience. The project focuses on leasing and expanding public cloud platform resources, enhancing the cloud invoice public cloud service, and reinforcing the defense-in-depth information security protection of the platform. By utilizing the elasticity and horizontal scalability of public cloud resources, the project aims to provide a flexible application architecture capable of distributing high service demand for cloud invoice operations. This approach effectively accommodates the rapid growth in cloud invoice usage, alleviates peak traffic loads on the main data center, and enhances both the service resilience and overall user satisfaction of the cloud invoice system.
2. Components and Expected Benefits of the Chosen Plan:
 - (1) A multi-cloud virtual resource pool will be established to provide services for businesses, citizens, government agencies, organizations, and system integration entities. The project involves leasing and expanding software services, as well as providing network connectivity resources. The public cloud platform database will be maintained to store data required for public cloud services and to synchronize e-

invoice data with the main data center. Regular backups of public cloud environment configurations and data will also be conducted.

(2) By adopting cloud-native architectures such as microservices and containerization, the project aims to refine and expand public cloud service functions. A cross-cloud service management mechanism will be implemented to support peak traffic periods during the Uniform Invoice Prize Draw and business tax filing operations, thereby improving overall service quality and performance.

(3) To enhance information and communication security, various protection mechanisms will be implemented, including firewalls, intrusion detection and prevention systems, antivirus systems, content delivery networks, and traffic scrubbing mechanisms. A Security Operations Center (SOC) will be established to provide monitoring and incident reporting services, enabling proactive detection of malicious activities. Regular vulnerability scans and penetration tests will be conducted as part of continuous security assurance. Additionally, an incident response team will be formed to carry out containment and mitigation measures in the event of an information security attack or intrusion.

Financial Resource Allocation

The total budget approved for the “Cloud Invoice Public Cloud Service Sustainable Operation Project” is NTD 856,000,000, allocated over four years from fiscal year 2026 to 2030. The funding allocation process involves budget approvals and planning in line with the budgetary procedures.

Fund Utilization Situation

Annual Work Items and Implementation Schedule

Work items	Fiscal year				
	2026	2027	2028	2029	2030
1. Lease and expand public cloud platform resources					
2. Enhance the public cloud services for e-invoice operations					
3. Strengthen defense-in-depth for the public cloud platform's information security					