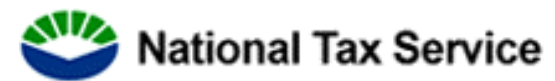


Taxation System In NTA Of Korea

IT Infra Structure

Dec 07, 2005

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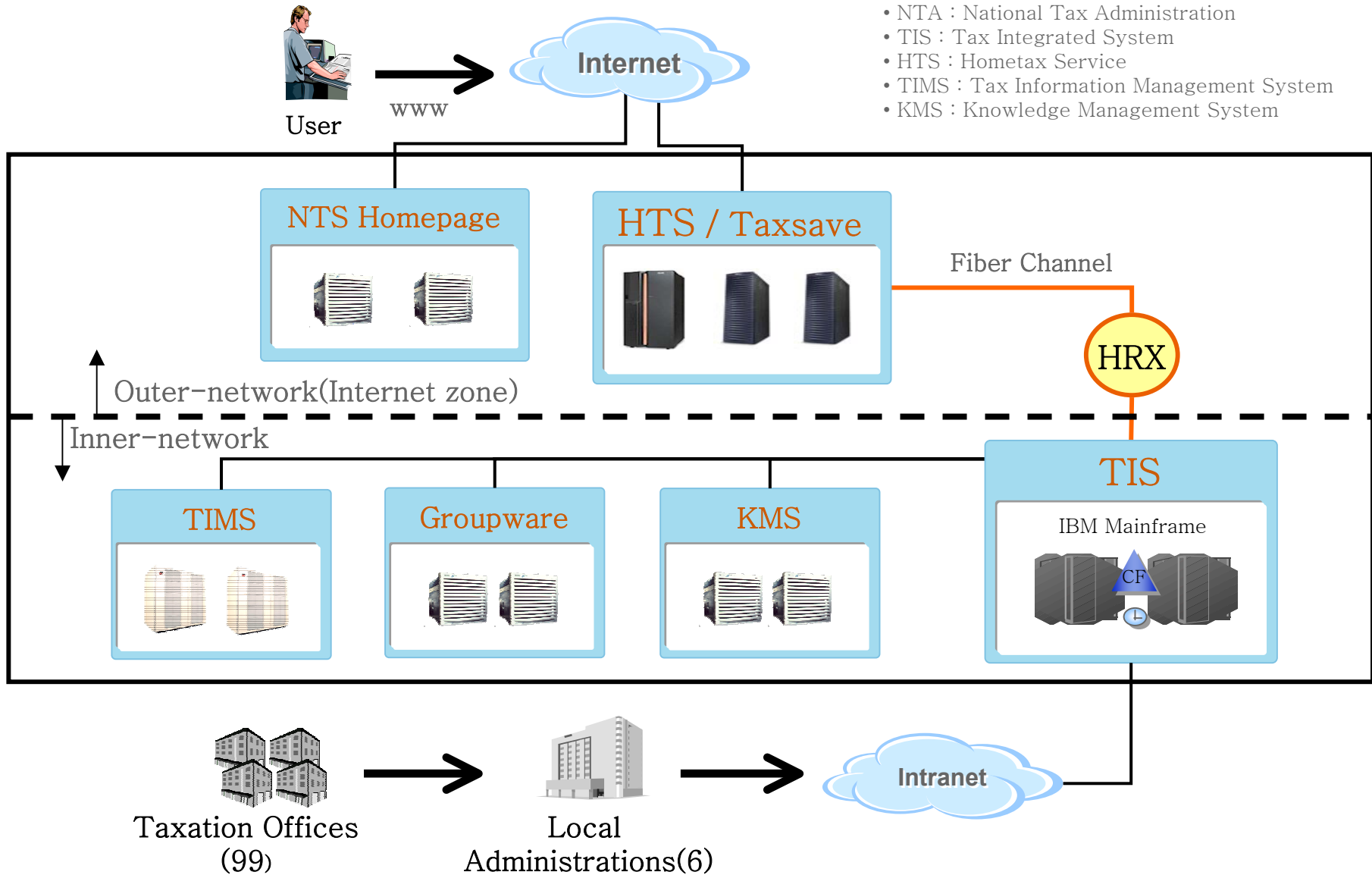
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 - 2. HTS (Home Tax Service)
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- NTA : National Tax Administration
- TIS : Tax Integrated System
- HTS : Hometax Service
- TIMS : Tax Information Management System
- KMS : Knowledge Management System



Section	User	Term	Budget	Comment
Tax Integrated System	Inner official			
Hometax Service	General public			
Taxsave System	General public			
Tax Information Mgmt System	Inner official			
NTS Homepage	General public			
Electronic Transaction System	Inner official			
Knowledge Mgmt System	Inner official			

1. TIS(Tax Integrated System)

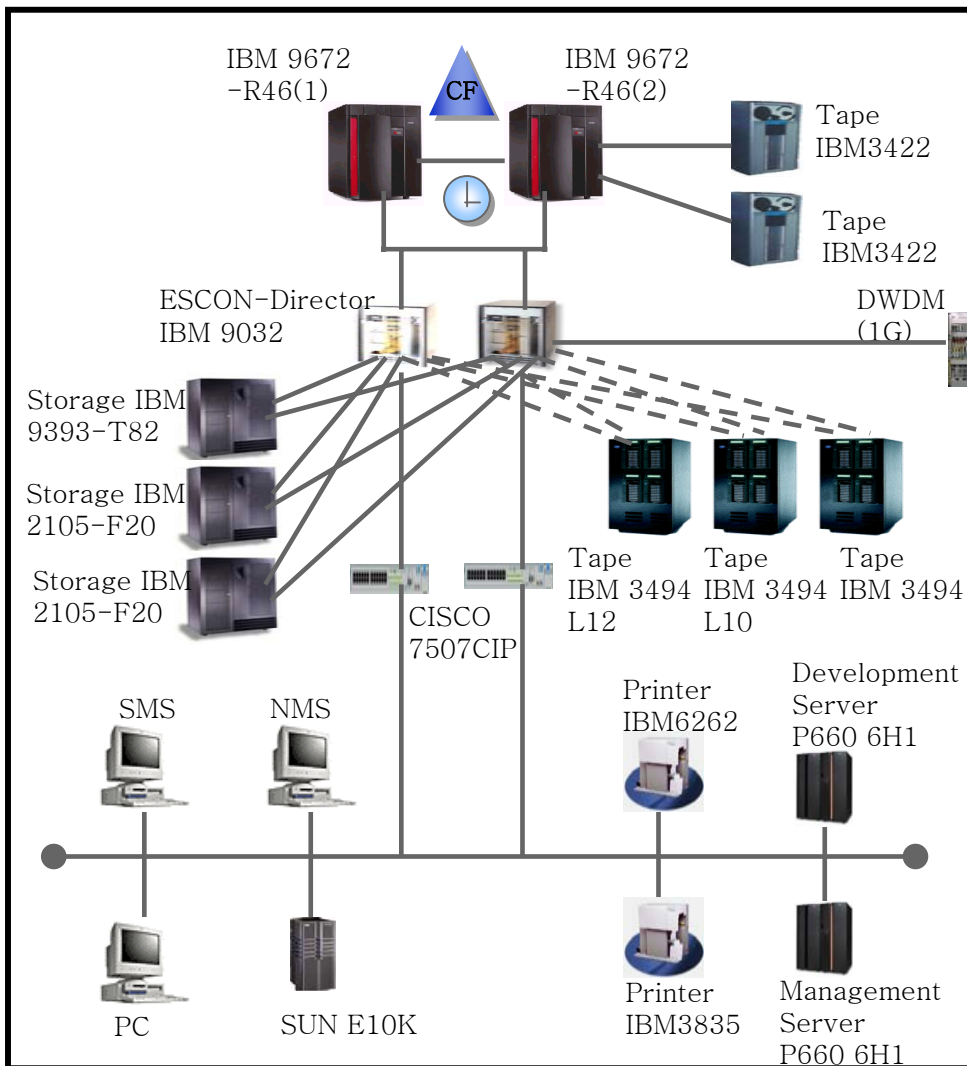
- System Function and Special Features

Section	Detail	Comment
Function	<ul style="list-style-type: none"> • National taxation Service • Billing, collection, delinquent payment, attachment, tax return, collection report and non-tax receipts • Tax tracking for business owner and insolvent corporation • Income/Property/corporate/VAT/consumption/withholdings tax • Connecting local NTS branch offices and tax offices nationwide with private lines to integrate Tax-administration and information 	National taxation mgmt. system
Special Features	<ul style="list-style-type: none"> • Web-conversion projects at present ; 4rd conversion projects, interface conversion from CLI to GUI • A downsizing execute reduce maintenance/expansion cost 	Execute downsize at present
Provider	<ul style="list-style-type: none"> • System implementation by Samsung SDS & LG CNS 	

- Overall Functions

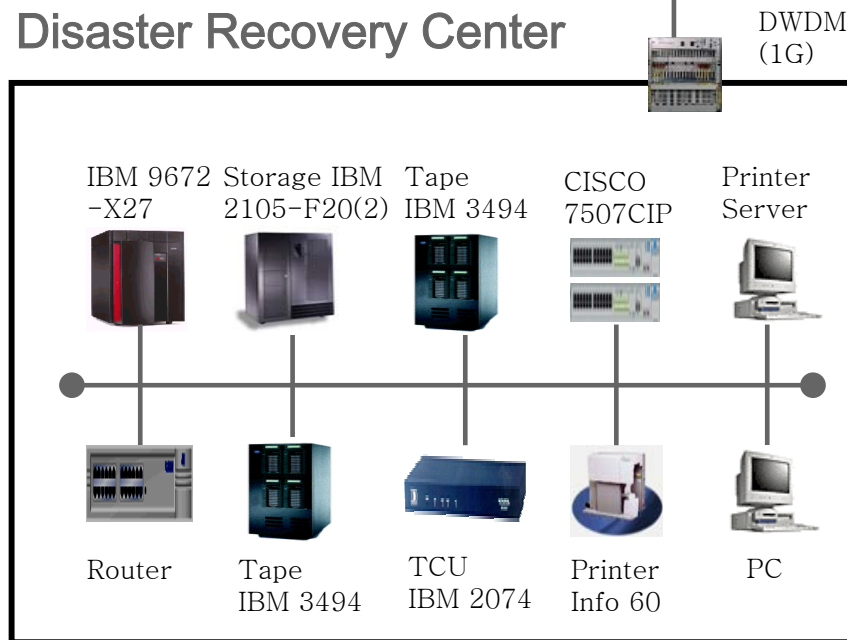
Tax Tracking	Reporting	Tax Data	Inspection	Tax Collection	Public Service	Review	Inter-national Taxation
Registration	Info/Map	Collection Input	Initiate/ Result Handling	Settlement	Certification	Petition	Tax Payment
Change	Registration	Processing	Post Mgmt.	Billing	Tax Tracking	Request	Public Service
Post Mgmt.	Change/ Re-Billing			Receipt	General Service	Board of Audit & Inspection Review	Previous Price
others	Post Mgmt.			Return	Report/ Data input		Foreign Exchange
	Document/ Statistics Print Out			Tax Payment/ Postponed			Agreement
				Delinquency mgmt.			

- TIS System Configuration



- Mainframe cluster
- DR center
- Taxation System connecting Locals centers(6) and offices(99)

Disaster Recovery Center



- Information Technology in TIS

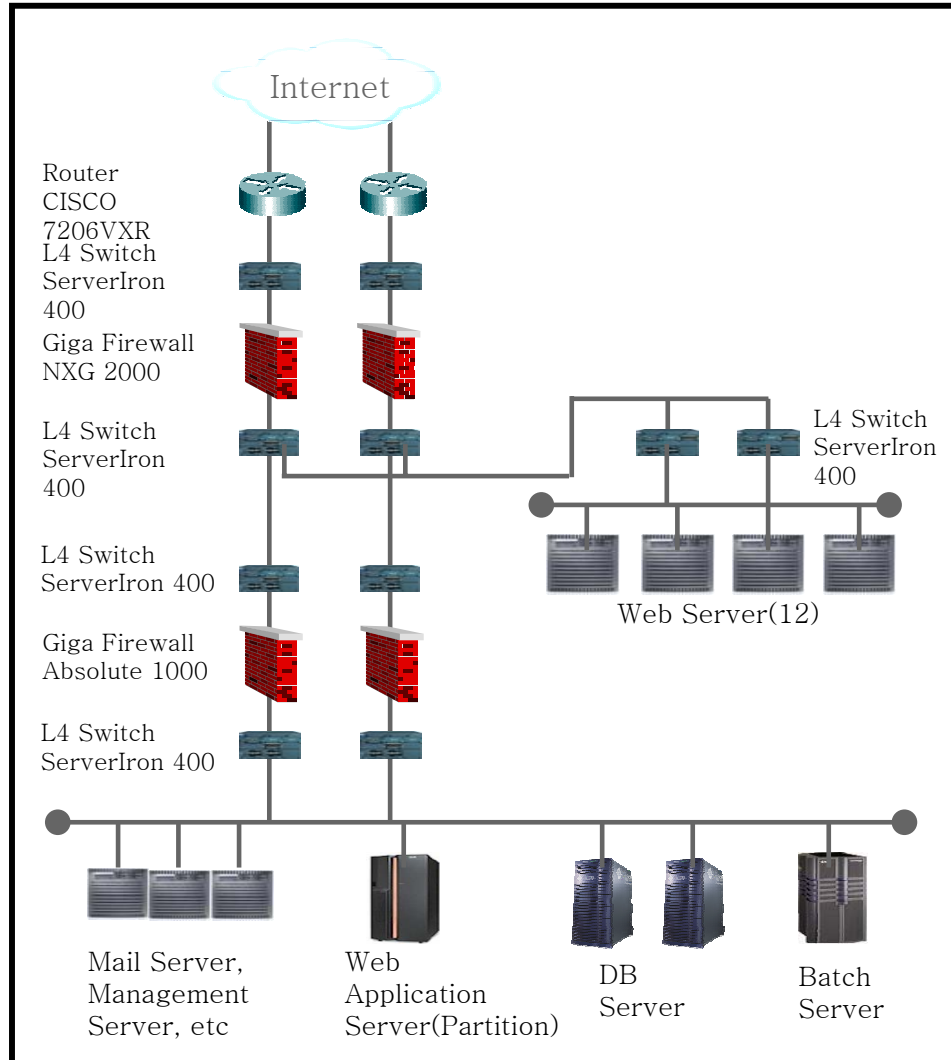
Section	Detail	Comment
OS	<ul style="list-style-type: none"> • OS390 for Mainframe • DB2 for DBMS 	
Cluster System	<ul style="list-style-type: none"> • Sysplex Cluster 	
Security Mgmt.	<ul style="list-style-type: none"> • RACF Solution 	
Disk/Backup Mgmt	<ul style="list-style-type: none"> • DFSMS Solution 	
Schedule Mgmt.	<ul style="list-style-type: none"> • Smart Batch, Control-M Solution 	
Server Mgmt.	<ul style="list-style-type: none"> • RMF/OMEGAMONII 	
DR	<ul style="list-style-type: none"> • DWDM 1Gbps 	Yong-In Center
Web Architecture	<ul style="list-style-type: none"> • Downsizing progress cut down mainframe workload (Possible to separate Web/WAS from mainframe) • Tmax Web Server, Application Server • Web-WAS-Gateway-CICS-DB 	

2. HTS(Home Tax Service)

- System Function and Special Features

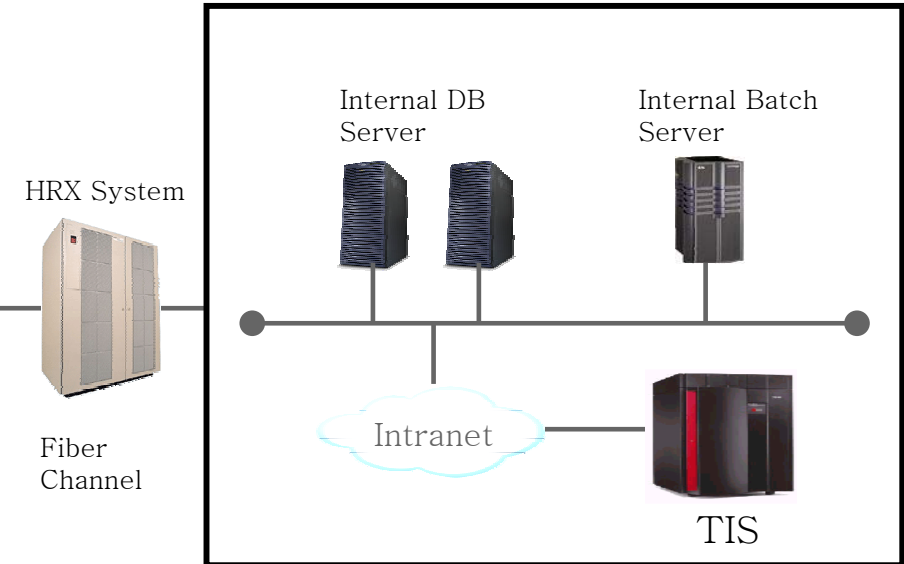
Section	Detail	Comment
Function	<ul style="list-style-type: none"> • A phased site opening since April 2002, so that tax payers can make payment over the internet (reporting, billing, payment, document submission, public service request, etc) without visiting tax offices • Currently, the phase 3 project is successfully completed with capacity expansions 	Internet Taxation Service For the People
Special Features	<ul style="list-style-type: none"> • Data exchange enabled between physically separated HTS and TIS by utilizing Data Secure Exchange (HRX ; Hitachi Rapid eXchange solution) 	HRX, PKI
Provider	<ul style="list-style-type: none"> • Samsung SDS has conducted electronic reporting projects from 1999, and implemented subsequent HTS since 2001 	

- HTS System Configuration



- Multi Server
- Dual Network
- Physical separation with HRX
- Gigabit Network
- Firewall, IDS

Inner-network



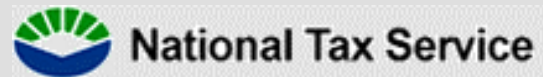
- Information Technology in HTS

Section	Detail	Comment
OS	<ul style="list-style-type: none"> • HP-UX, Solaris, AIX for UNIX Server • Oracle for DBMS 	
Cluster System	<ul style="list-style-type: none"> • Legato Cluster applied 	
Security Mgmt.	<ul style="list-style-type: none"> • Firewall, Intrusion Detection System solution • PKI Certification 	Accept certification from 6 public authorization
Disk/Backup Mgmt	<ul style="list-style-type: none"> • Veritas Volume Manager, Legato Networker 	
Server Mgmt.	<ul style="list-style-type: none"> • IBM Tivoli SMS 	
XML	<ul style="list-style-type: none"> • Applied to public services (Repository Manager) 	
Security Architecture	<ul style="list-style-type: none"> • Hitachi Rapid eXchange 	
Web Architecture	<ul style="list-style-type: none"> • Tmax Web Server, Application Server • Web-WAS-DB 3 Tier • WAS/DB Monitoring & Tuning Solution 	Capability of Simultaneous 31,000 users

3. Others

Section	Detail
Taxesave System	
Tax Information Management System	<ul style="list-style-type: none"> • Opened since April 2003 by utilizing Data warehousing and analysis techniques, to support varied information search and analysis in real time (inspection and tax-base mgmt) • Inspection/monitoring are conducted over personal records, inspection mgmt, corporation, international activities and statistics (report)
NTS Homepage	<ul style="list-style-type: none"> • Opened since March 1999 to provide taxpayers with informative, reliable tax information
Electronic Transaction System	<ul style="list-style-type: none"> • Opened since July 2000 by implementing EDI System among related government agencies and offices, and by standardizing document formats as well as mgmt. Procedures
Knowledge Management System	<ul style="list-style-type: none"> • Sharing success cases by each tax item, related law/regulations, etc • Gathering comments/opinions about how to improve TIS

Thank you.



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