

# ncc

## Virtualization Integrated Operation Management Solution

A single, self-service interface for provisioning,  
monitoring, and troubleshooting



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# NCC (Namu Cloud Center) Introduction

NCC is a Virtualization Integrated Operating Management solution brand developed through NamuTech's own technology. It is the next generation VDI solution that processes IaaS based VDI automation and backup, big data based Cloud Infra analysis, platform management, and cloud based decentralized work using a single product.



' Virtualization Integration Operating Management solution developed through NamuTech's own capabilities '

<b>01</b>	<b>Desktop Integrated Management</b> NCC-VDI (Portal, Monitor)	VM(Virtual Machine) Installation Automation	Authority/Account Integrated Management	User/Group Management	User Portal		
<b>02</b>	<b>Infra Monitoring</b> NCC-VDI (Portal, Monitor)	Hypervisor (virtualization engine) Performance Analysis	Usage Status Statistics and History Management	VM Monitoring Performance Analysis	Integrated Dashboard Control		
<b>03</b>	<b>Desktop Integrated Management</b> NCC-VBR/DR	Hypervisor/VM Information Management	Distance DR	VM Backup/Restore	Backup Schedule Management	NAS Backup/Restore	Backup History Management
<b>04</b>	<b>Log Analysis</b> NCC-LOG	Real-time Log Analysis	Irregular DB Based Search	Expanded/Distributed Structure	Fixed Pattern Search	Big Data Based Development	
<b>05</b>	<b>File Transfer</b> NCC-WebDrive	File Transfer between Local PC and VDI Area	File Export through Authorization Approval	File Import/Export History Management			

## Virtual Desktop Intergated Management Solution (NCC-VDI)

### NCC-VDI Core Functions



- Website for accessing VDI
- User authentication and VM access management
- Self-Service : Create/Edit/Reinstallation/Delete
- Bulletin Board : Notice/FAQ/Q&A
- Failure report and view breakdown of requests



- Build a customized portal
- Automated VM request/approval
- Supports self-assessment on incidents by type



- Deploy Management : Batch/user selection auto provisioning
- View/Edit : VM, Network, Storage and more
- Desktop Management : Group, Catalog, Master VM, IP Management
- Account Management : Admin account, Monitoring group, and more
- Reporting : IP Allocation, VM access History, and more
- Bulletin board configuration and admin log management



- VDI operation management integrated console
- HR/organization information and AD automatic interface
- Automation of VM create, update, and discard



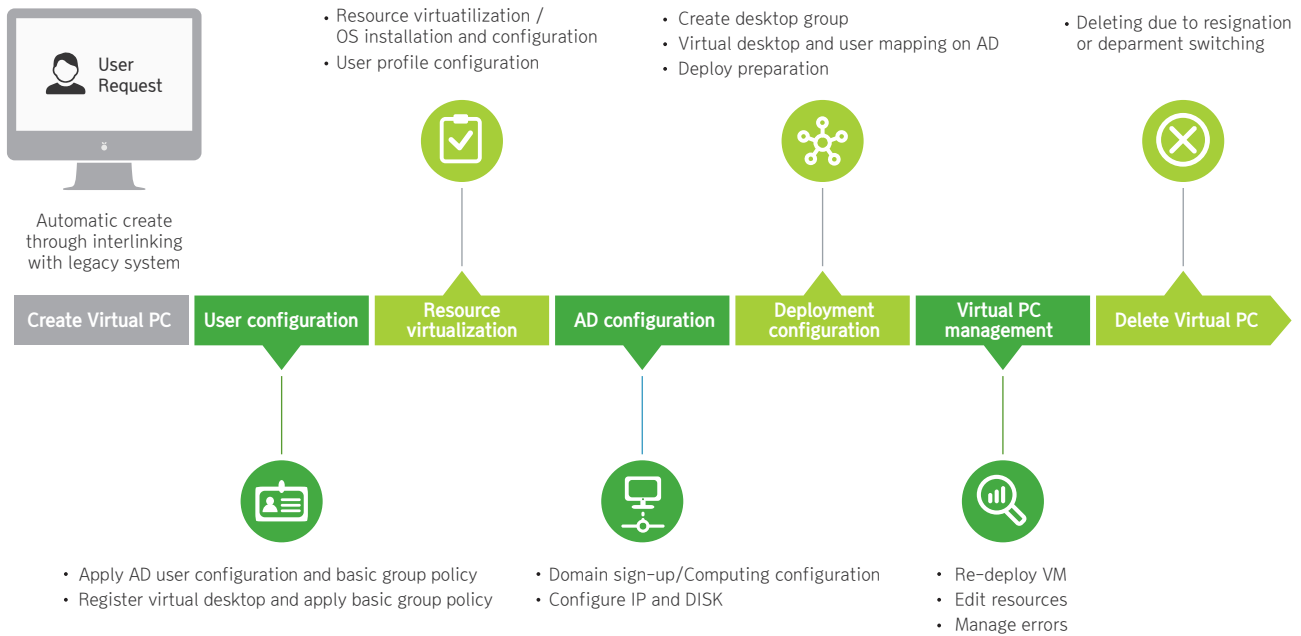
- Dashboard : Group/Pool/VM unit board
- Virtual Server/VM : CPU, Memory, Disk, NW management
- History Management : Virtual Server/VM's performance, failure history
- Virtual server event status and history management
- Alert Management : threshold configuration, E-mail/SMS Alarm



- Server/VM based unit monitoring support
- Possible to configure logical groups
- Configure threshold based alarms

# NCC-VDI Features

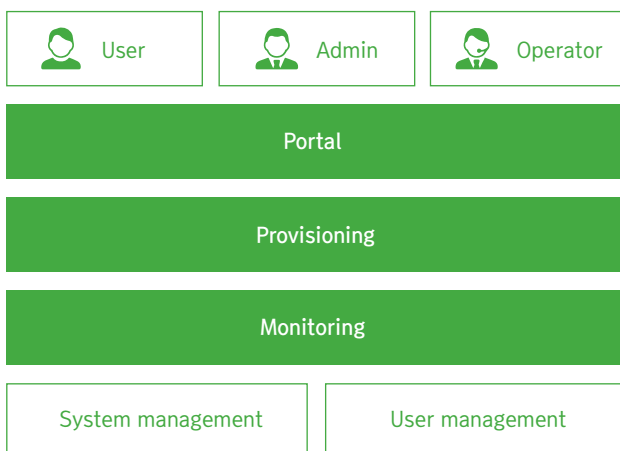
NCC-VDI provides an autoprovisioning (virtual desktop automated creation) function that can easily be interlinked with customer company's HR system and groupware; it makes one-click management possible on a 5-step workflow from user configuration upto deployment.



# NCC-VDI Expected Results

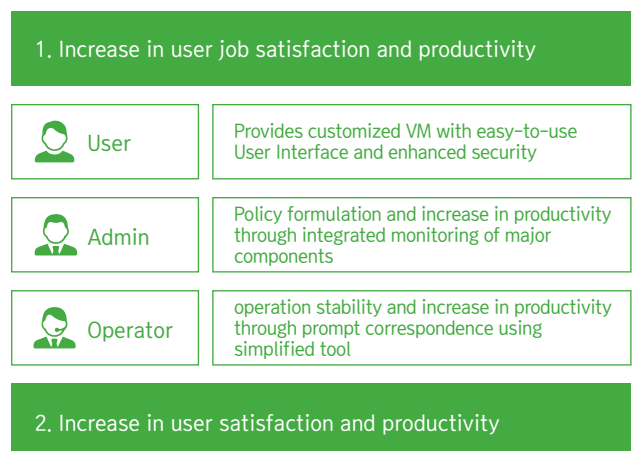
NCC-VDI enhances desktop management efficiency and work productivity through life-cycle manangement/utilization and integrated cloud infra management regarding to VM

## One-Stop Integrated Management



- Provides integrated management through My Solution
- Easy installation due to module based packaging
- Provides convenience through VM Life-Cycle automation
- Customization on various requirements through rich experience in VDI environment construction

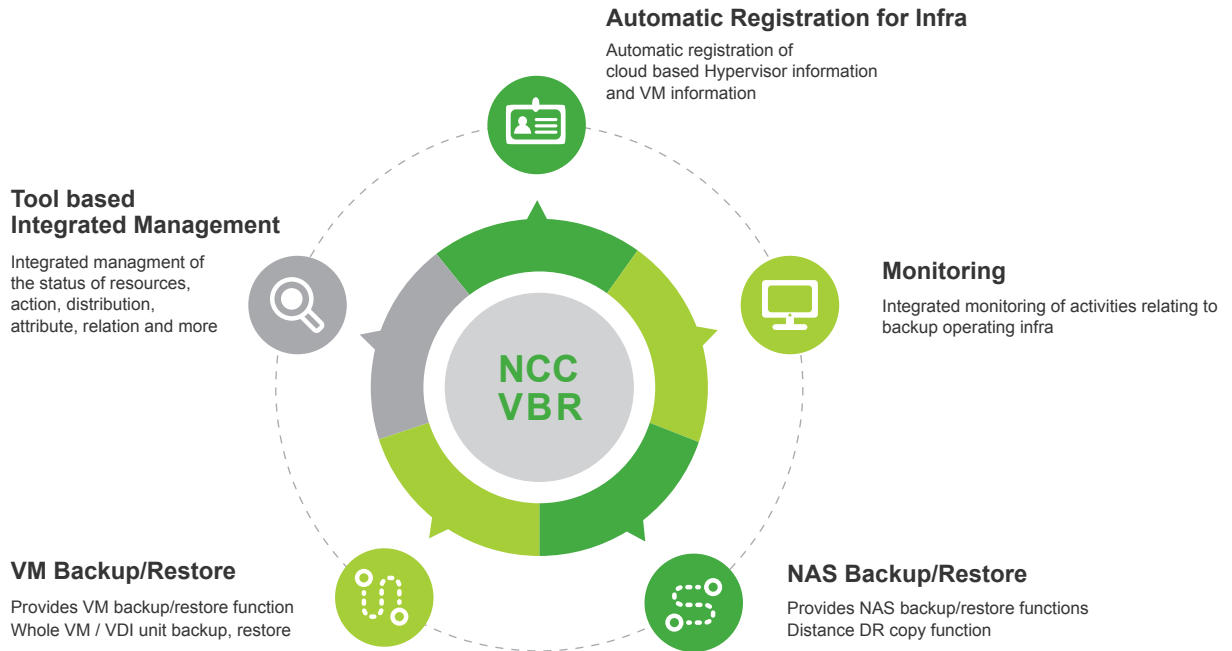
## Increase in productivity through operating efficiency



- Overall computing resource optimization through per user metering/monitoring
- Reduction in VM delivery time and labor costs through VM create life cycle automation
- Reduction in maintenance cost incurred while operating virtualized systems

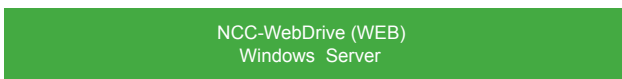
# Backup / Restore Solution (NCC-VBR)

NCC-VBR provides a VM unit based OS backup and recovery, and NAS based data backup and recovery in a Citrix XenServer based server/desktop virtualization environment.



# File Transfer Solution (NCC-WebDrive)

NCC-WebDrive provides a file import/export service between a local PC and a virtual PC; and through interworking approval functions, it prevents the export of random files. Saved files gets deleted automatically depending on the configuration of the admin.



### Features

- Web Standards** Can be used in various browsers due to the usage of HTML5 and CSS3
- No-Plugin** There is no need for applications such as ActiveX
- Automatic Delete** Automatic delete after a certain amount of time

Server	Function
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Active Directory	Provides user authentication services
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DB	Provides management for user file information and history SQL Server used in the legacy VDI can be used
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WebDrive	Provides a web-based file import/export system
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### Expected Effects

- History Management** Manages file import/export history on PC and VDI
- Blocks file export** Through approval interworking, exporting unapproved files are blocked



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