

# IT Automation: Innovation

## Kumar Goswami



Opening: music and graphics effects

*Kumar Goswami, Utility Infrastructure Management Department, HP Labs*

(Voice over narrator) HP Lab's Kumar Goswami concludes with tips on why a remote desktop approach makes sense for many organizations and where to start.

### *Remote desktops*

A remote desktop is where the desktop is no longer on your desk. It actually runs on a blade or a server in the data center, and you access it via a thin client, which is a display and a keyboard, and that's it.

### *Why this makes sense*

I think the number one reason is security. It has to do with the fact that people are losing desktops, which contain valuable and very confidential information today. If now you can run the desktop in the data center, where the data is locked and protected, even if you lose this laptop, there is no data on it. And so therefore it really addresses the fundamental security issues that we're facing. The other reason is cost. If you look at it in an enterprise, there are desktops strewn throughout the enterprise, and if you're geographically distributed throughout the world, managing that distributed set of desktops is difficult. If they're all running in a data center, it's centralized, and now with centralized management you can really reduce the cost of managing these desktops.

### *Innovating in the labs*

In the labs we're investigating, you know, using automation technologies and virtualization technologies to these offerings. So for example, we want to be able to run the desktops on virtual machines, so therefore we could actually pack more desktops per server, 'cause we're using the acquisition costs of these solutions. Another area that we're looking at is to be able to support various types of desktops. If you look at an enterprise today, there's not one type of desktop that you use, you use many types, depending on what your job function is. So we have ways, using models to be able to describe the various types of desktops that you need. And so this one solution can support a wide variety and a wide range of these. The other area that we're looking at is how do you automate and simplify the management of these desktops. Today, you could be stuck managing the different blades, figuring out what desktop runs on what blade, and what size the virtual machines are, and that becomes very difficult and is untenable when you have hundreds of thousands of users. So we are looking at ways to automate things where the administrator only talks about, well here are the different types of desktops I have, here's how many I need, here's how I would like them automated in a dynamic fashion. And so they're managing at a much higher level of abstraction and this allows them to be able to manage such large scale numbers of desktops.

*No lugging*

Well the biggest advantage is that you don't have to lug around your PC anymore. Whether you're at home, whether you're on the road, whether you're in the office, you have the same consistent access to that desktop that's running in the data center. That's one thing.

*No management responsibility*

The other is that PC is managed for you. So you don't have to install your apps anymore. You don't have to put in security patches. You don't have to do backups. You don't have to worry about where your data is. So in essence, you don't have to manage your PC anymore.

*Next steps*

Well you know we already have solutions in this space. We have CCI, which is Consolidated Client Interface, and we have another product called Remote Work Stations. And I suggest that you contact your HP rep for further information or go to [hp.com](http://hp.com) ([www.hpl.hp.com](http://www.hpl.hp.com)).

###

## For more information

[HP Enterprise home](#)

[HP Enterprise Live](#)

[HP Enterprise TV](#)

[HP Management software](#)

[RLX Technologies](#)

[HP BladeSystems](#)

[HP ProLiant servers](#)

[IT Consolidation solutions](#)

[Virtualization](#)

[Virtual Server Environment](#)

[HP Integrity servers](#)

[HP Integrity NonStop computing](#)

[HP Services](#)

[HP Software Universe](#)

[HP StorageWorks](#)

© Copyright 2005 Hewlett-Packard Development Company, L.P.  
The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.  
11/2005