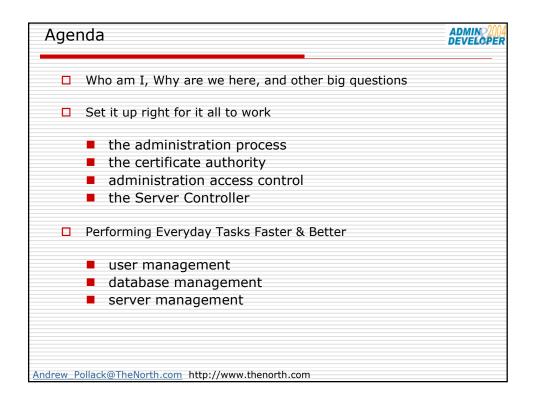
A closer look at the Lotus
Notes/Domino 6.5 Administration
Client

Andrew Pollack
President, Northern Collaborative
Technologies

ADMINISTRATIVE
DEVELOPER



### Language note -



- □ I realize that for some of you, English is not your primary language, and for others, my accent is not the same as yours.
- ☐ If you are having trouble understanding me during this talk, please raise your hand and I will try to slow down and speak more clearly.



□ Thank you.

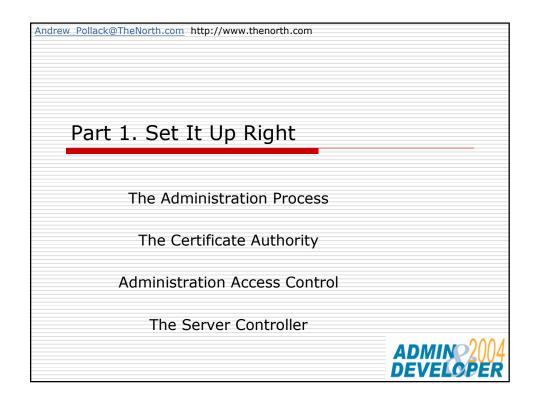
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### About this Presentation



- □ A "Best Practices" session is different
  - This is <u>not</u> a list of product features
  - This <u>is</u> a practical 'field guide' to using the tools
- Designed for re-use
  - These are not empty bullet points
  - The details you need are in this text

### Big Questions: Who am I? Why are we here? Andrew Pollack □ President, Northern Collaborative Technologies □ 2003 IBM Lotus Beacon Award Winner ☐ Administrator & Developer since version 2.0 ■ Member of the Penumbra Group ☐ Firefighter - Engine 1 - Cumberland, Maine! ■ In firefighting, just like Server Administration - its all in the planning ■ Why We're Here ☐ To learn and grow as human beings ☐ The new administrative tools rock ☐ The didn't always rock so much ☐ Its finally time to adopt all this new stuff NORTHERN <u>Andrew\_Pollack@TheNorth.com</u> http://www.thenorth.com



### The Administration Process



- Why you need it
  - It carries out the instructions you give the Administration Client
  - It does the work that takes a long time if you do it yourself
    - ☐ Create replicas, move mail files
  - It does a more complete job most of the time than you can
    - □ Renaming or removing users
  - Its also a required part of the Certificate Authority

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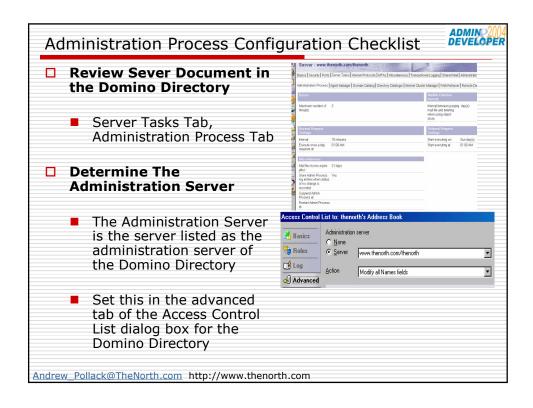
### Administration Process Configuration Checklist

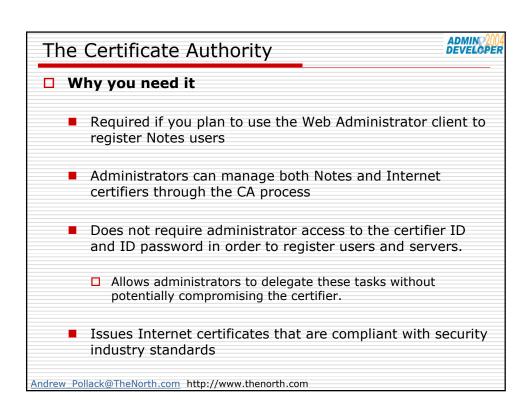


- The Administration Database
  - Named ADMIN4.NSF
  - Updated with the Current Version Template
  - Replica on Each Server
  - Verify Replication

### □ The Administration Task

- In the Notes.INI
  - ☐ Tasks = ..., adminp, ...





## Setting Up the Certificate Authority First, make sure you've got the Administrative Process set up and running correctly Migrate at least one certifier to use with the Certificate Authority From the Domino Administrator, click Configuration On the Tools pane, choose Certification - Migrate Certifier Make sure to specify both the people who can use the certifier, and the server! Start the Certificate Authority Task load ca Notes.INI -- Tasks = ..., CA, ... The Certificate Authority adds newly-created certifiers when it refreshes, which takes place every 12 hours Andrew Pollack@TheNorth.com http://www.thenorth.com

# You Don't Really Have To Wait At the server console, simply type: tell ADMINP process all tell ca refresh To see if the new certifier has been added: tell ca stat Andrew Pollack@TheNorth.com http://www.thenorth.com

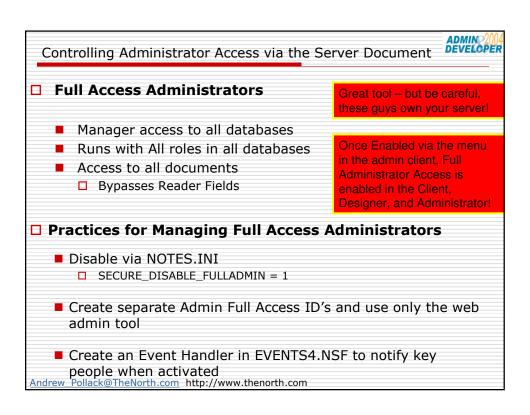
<u>Andrew\_Pollack@TheNorth.com</u> http://www.thenorth.com **Domino Server statistics & Events** "There are Lies, Damn Lies, and Statistics" **Winston Churchill** 

### Setting up Domino's Statistics & Events ☐ The Event Task & Database

- - EVENTS4.NSF Yes, even in version 6
  - Notes.INI Tasks = ..., event, ....
- The Statistics Task & Database
  - STATREP.NSF
  - Notes.INI Tasks = ..., stats, ...
- The ISPY Task
  - Tests and gathers statistics on mail routes
  - Load runjava ispy
  - Tell runjava quit
  - Notes.INI Tasks = ..., runjava ispy, ...

Not All Administrators are
Created Equal

At least not any more, if you set up your environment right



### Control Admin Access in the Server Document



### ■ Administrators

- Everything but override ACL's and Reader Names as a Full Access Administrator
  - ☐ Manager access to the Web Administrator database
  - ☐ Create, update, and delete folder and database links
  - ☐ Create, update, and delete directory link ACLs
  - Compact and delete databases
  - ☐ Create, update, and delete full text indexes
  - ☐ Create databases, replicas, and Master Templates
  - ☐ Get and set certain database options
    - in/out of service, database quotas
  - ☐ Use message tracking and track subjects
  - ☐ Issue any remote console command
    - Including shell commands to the operating system

Can delete any database on the server without being in the ACL!

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### Control Admin Access in the Server Document



### Database Administrators

- Create, update, and delete Folder and Database links
- Create, update, and delete directory link ACLs
- Compact and delete databases
- Create, update, and delete full text indexes
- Create databases, replicas, and Master Templates
- Get and set quotas, database in/out of service flags

### Database Administrators DON'T get:

- Automatic manager access to databases
- Any rights to use the Web Administration Database
  - ☐ They cannot perform their tasks via browser

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Can delete any database on the server without being in the ACL!

"Administrator"
vs.
"Database Administrator"

It sounds like a fine distinction at first – but it is critical.

This allows control over the files & data but not the configuration and most of the performance settings on the server.

### Control Admin Access in the Server Document



### □ Full Remote Console Administrators

Can use the remote console without restriction

### View-Only Administrators – Show, but not Tell

- Can execute remote console commands that display information
  - ☐ Show Tasks, Show Server
- Cannot execute remote console commands that take action
  - □ Load, Tell, Replicate, Route, ...

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### Control Admin Access in the Server Document



### System Administrators

- Can issue Remote Server Console Commands to the operating system
- Use the "\$" symbol before the command
- Use the "#" symbol before commands to the server controller

### □ Restricted System Administrators

Same as above, but limited by the field below

### Restricted system commands

 Lists the specific Server Controller and Operating System Commands available to Restricted System Administrators

### WARNING:

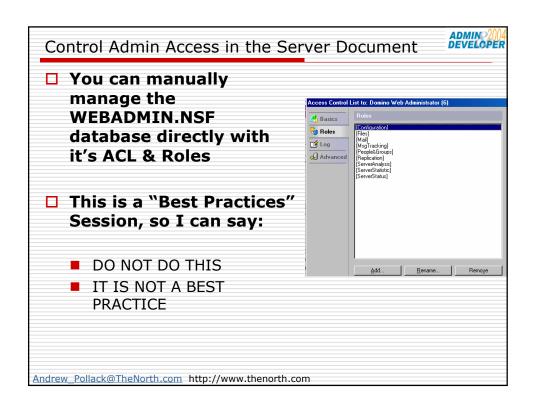
The "\$" and "#" prefixes only work if you have started the server with the server controller.

### BIGGER WARNING:

In many environments, you can get around this with the "Load" command, to load a system shell with a command parameter. For Example:

Load cmd /c shutdown /l /y /c

Will shut down most Win32 Servers (add /r to reboot!)





### What is the Server Controller?



- A Java Application that loads 'in front' of the Domino Server
- □ Enables the Java Console (JCONSOLE)
  - WAY better console access
- Enables the Java Console in the Web Administration Client
  - Super Cool
- Allows Remote Crash Recovery

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### Starting the Server with the Server Controller



- Just add "-jc" to the command line to start the server
  - Example: nserver –jc
  - Works in Unix / Linux environments as well
- □ For Windows Servers
  - Use the "SC" tool from the resource kit:
    - □ Sc config "Lotus Domino Server (LotusDominoData)" binPath= "=c:\lotus\domino\notes.ini -jc"
  - Edit the Imagepath in the registry
    - □ HKEY\_LOCAL\_MACHINE / System / CurrentControlSet / Services / LotusDominoServer(notesdata)

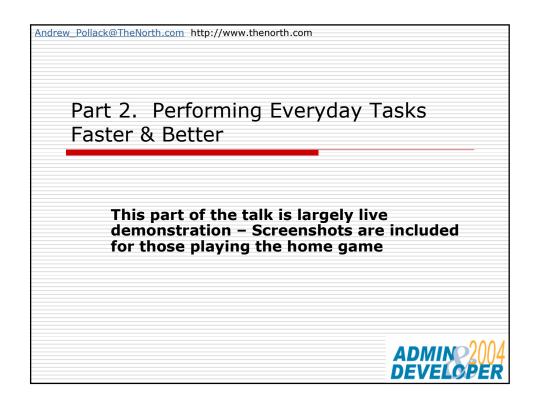
The Domino Console

The other half of the best kept secret in the world of Administration – Really!

# What is the Domino Console? □ A slick remote console – Better than sitting at the server □ Not as cold as the server room! □ The same remote console available in the Web Administration Database □ Does not tied up, or get tied up, by your Notes Client and Designer threads □ Works even after a server crash to allow recovery & restart □ Schedule console commands, or repeat commands at intervals □ Store your commonly issue command strings for reuse! Andrew Pollack@TheNorth.com http://www.thenorth.com

### Starting & Running the Domino Console Just run "jconsole" from the Notes or Domino program directory or anyplace if that directory is in you path Run on any server or client operating system except Macintosh Provided either the Server or the Admin client is installed

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Demo Time!	
Using the Domino Console to manage a	
remote server!	
2000	
ADMIN 2004 DEVELOPER	
DEVELOPER	



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User Management	
	_
The all about the manufa	
It's all about the people	
	<b>ADMIN</b> 2004
	ADMIN 2004 DEVELOPER

