Boot from a openSuSE 10.3 DVD (or CD if no DVD available)

Have the following available to follow this installation instructions:

− openSuSE 10.3 DVD or CD

− bootable external DVD or CD Drive in case the server ou are installing on ! oes not have a DVD or CD Drive.

− "# $inutes to " hours of ti$e ! epen! ing on the spee! of our server%&nternet connection an! DVD'CD(! rive% the ! rive $ight have the bigger influence on spee! then an thing else.

− &nternet connection. &f ou have a ver fast &nternet connection)10$bit or $ore* ou $ight want to consi! er installing the secon! part of the +S install fro$ &nternet rather then CD'DVD.

− , Des−top or . aptop co$puter connecte! to the sa$e ⁄ etwor− seg$ent as the Server ou are installing.

− , ccess to the Oouter that connects this Server to the &nternet.)1or enterprise installs ou will want to get our ⁄ etwor− , ! $in in on this% ou nee! at least a static &2 for the Server an! &nternet access to ! ownloa! up! ate! pac−ages. &f using this Server fro$ with an! without the ⁄ etwor− ou shoul! consi! er putting it in a D⊃4*.

− 2atience to follow the instructions even when ou thin− ou −now it better.)1rien! l suggestions are welco$e however we ! o not expect all of the$ to be useful.*

− 5hese instructions assu$e that ou ! o not have a $ouse connecte! to this co$puter if ou happen to have one at han! ou can use it alternativel as well.

, s a general re$ar−% 5he 6e boar! ⁄ avigation uses 75ab8 to $ove between sections an! the cursor 6e s to $ove within fiel! s or sections. 5he 7Space8(bar usuall 9ust selects a option while the 7Enter8(6e selects an! co$$its the selection in one step.

Whenever you see one of these sections, make sure that you
read them,
even when you think that you know what you are doing!

Boot the Computer and put the disk in the drive. Make sure the disk can be found upon boot(up and that booting from CD/DVD is enabled in the BIOS. If you are not sure how to do this please consult your computers manual or a PC Consultant.

The first screen has the following options:

- Boot from Hard disk
- Installation
- Repair installed System
- Rescue System
- Firmware Test
- Memory Test

use the Up and down keys to move the highlighted bar to [Installation] and press [Enter].

Please wait ...

> hen satisfie! with the . icense press [Alt] &   to select ?=es%& agree to the
. icense agree$ent.@

=ou have to accept the license agree$ent to continue with the installation.

> hen ! one ou can press [Alt] & N to pic- the [Next] button.

+penSuSE is now chec-ing our har! ware configuration% this can ta-e a few
$inutes on a slower server% but usuall shoul! not ta-e $ore than A(3 $inutes.

Select 3o! e
)B* ∕ ew &nstallation
) * ꞉_p! ate
) * +ther +ptions
7 8 , ! ! +nline Oepositiories : efore &nstallation
7 8 &nclu! e , ! ! (+n 2ro! ucts fro$ Separate 3e! ia

∕ ew &nstallation is what we nee! an wa   so ou can 9ust hit [Alt] & N to pic-
the [Next] button.

S ste$ loa! s Data fro$ our installation Source in to a O, 3 ! rive for the further
progress of the installation.

2ic-   our Oegion an! 5i$e_Cone.

Har! ware cloc- shoul! be set to 7. ocal 5i$e8.

> 3a-e sure the ti$e that is ! ispla e! in the lower right han!
> corner is correct% otherwise fix it. 5his is an i$portant step% if   ou
> s-ip it +S up! ates $a fail an! the auto$atic ti$e s nchroniCation
> will not engageD

> hen ! one ou can press [Alt] & N to pic- the [Next] button.

Since this is going to be a ViciDial™ Server, it is not necessary to have a
Graphical User Interface (GUI), it would actually decrease the performance of the
system to run one at the same time.

> &$portant: 2lease select [!_ther] (E ["_ext # ode] hereD
> &f ou s-ip this the S ste$ will not onl install a Fraphical Des-top
> on our Server% but a large selection of 2rogra$s that can be use!
> which these Des-tops. +ur further 2ac-age selection assu$es
> that ou pic- [!_ther] an! ["_ext # ode]!

Exception: &f this s ste$ is setup so$ewhere where ou ! o not have access to another Co$puter on the sa$e / etwor- seg$ent% ou $ight nee! it to search for infor$ation% loa! lea! s fro$ the &nternet or use it to run the web base! configuration of ViciDial™% please pic- [#_inimal $ra%hical &ystem]

> hen ! one ou can press [Alt] & N to pic- the [Next] button.

&n +verview $o! e). eft 5ab on the top of screen* ou will see the following Sections:

– 2artitioning
– Software
– . ocale Settings

2lease switch to Expert $o! e)Oight 5ab on the top of screen*. &n Expert $o! e ou will see the following Sections:

– S ste$
– 6e boar! . a out
– 2artitioning
– Software
– : ooting
– 5i$eCone
– . anguage
– Default Ounlevel

+n this screen we have a nu$ber of things to change:

> e have two basic options to configure the 2artitioning of the Har! (! rive)s* on a ViciDial™ System.

a) Systems with **one Hard-drive or Hardware R ID** controller.   A

Hardware R I! controller, especially those with " ache are #enerally preferred for $ici! ial™, they increase the performance and relia%ility of a system.

Systems with sin#le ! rives, especially those with consumer #rade drives as opposed to enterprise #rade, **will fail**. Some will fail later then others %ut we have seen systems fail after as little as one wee&.

' nterprise #rade drives are usually desi#ned to withstand () times the use of consumer drives.

Hardware RAID / Single Drive Setup

(. /ress **[lt] & C** to pic& the **[Create]** %utton. /ress **[lt] & P** to select   **A**
0/rimary1 then press **[lt] & O** to pic& the **[OA]** %utton.

: . Use the ta% &ey to select the file system drop down %o. . /ress the space
%ar and then use the up and down &eys to select the file system type. , e
su##est usin# 0reiserfs1 %ecause of it usually very fast recovery time in
cases of /ower*loss, etc. +he other proven alternative would %e 0e. t; 1.
, hen creatin# the swap partition you have to select 0swap1.

; . Use the ta% &ey to select the 0' nd1 te. t %o. under the 0Si<e1 section.
' nter the si<e you want for this partition in #i#a%ytes followed %y 0G51.

4. +a% to the 08ount /oint1 drop down %o. . +his is where you select the
place in the file system to mount the partition. , hen creatin# the swap
partition select the word 0swap1.

=. /ress **[lt] & O** to pic& the **[OA]** %utton to create the partition.

If usin# option 0%1 for your partitionin# to create a Software Raid partition do the
followin#6

Software RAID

(. /ress **[lt] & C** to pic& the **[Create]** %utton. Use the ta% &ey to
hi#hli#ht the first drive and press the space %ar to select it. +hen press
[lt] & O to pic& the **[OA]** %utton. >ow /ress **[lt] & P** to select 0/rimary1
then press **[lt] & O** to pic& the **[OA]** %utton.

: . /ress **[lt] & N** to activate 0! A >ot ?ormat1. +hen ta% to select the 0?ile
system I! 1 drop down %o. . Use the up and down arrow &eys to select
0) . ?! -inu. Raid1.

; . Use the ta% &ey to select the 0' nd1 te. t %o. under the 0Si<e1 section.
' nter the si<e you want for this partition in #i#a%ytes followed %y 0G51.

[lt] & O   4. /ress **[Alt] & O** to pic& the **[OA]** %utton to create the first of the
Software Raid partitions.

=. /ress **[lt] & C** to pic& the **[Create]** %utton. Use the ta% &ey to
hi#hli#ht the second drive and press the space %ar to select it. +hen press
[lt] & O to pic& the **[OA]** %utton. >ow /ress **[lt]**ESCO to select 0/rimary1
then press **[lt] & O** to pic& the **[OA**

%   #

C. /ress **[lt] & I** to pic& the **[Ra̲id]** drop down. +hen press the down &ey to select 0" reate R I! 1 and hit enter.

(). /ress **[lt] & 1** to pic& the 0R **A̲**! ((mirrorin#)1 then press **[lt] & N** to pic& the **[N̲ext]** %utton.

((. Use the up and down &eys to select the first partition you want to add to the Software Raid /artition. 2nce selected press the **[lt] & D** &ey to   **A̲** add the partition. >ow use the up and down &eys to select the second partition you want to add to the Software Raid /artition. 2nce selected press the **[lt] & D** &ey to add the**A̲** partition.

(: . >ow press **[lt] & N** to pic& the **[N̲A̲xt]** %utton.

(; . Use the ta% &ey to select the file system drop down %o. . /ress the space %ar and then use the up and down &eys to select the file system type.
, e hi#/cp   na̲athe fil