

Subject: SV: RE : Re: BasicInternet Access to three test sites at Cedesurk
From: Vidar Sannerhaugen <vs@kjellerinnovasjon.no>
Date: Tue, 19 Apr 2016 18:56:15 +0000
To: Josef Noll <josef@jnoll.net>

Enig! Nå er det opp til Guy!
Kanskje du bør gjenta det til Mirindi
?

Vidar

Fra: Josef Noll [mailto:josef@jnoll.net]
Sendt: 19. april 2016 19:56
Til: Vidar Sannerhaugen <vs@kjellerinnovasjon.no>
Emne: Re: RE : Re: BasicInternet Access to three test sites at Cedesurk

Hei Vidar,

Ja, slik oppfatter jeg også svarene.
Men det er Guys ansvar for å komme videre, eller?

Helt ærlig, så tror jeg at Guy kommer tilbake "en gang i framtiden", derfor vil jeg ikke bryte kontakt med Cedesurk.
Josef

On Tue, 19 Apr 2016 06:59 Vidar Sannerhaugen, <vs@kjellerinnovasjon.no> wrote:

Hei Josef

Det ser ikke ut som de helt har forstått?

Mvh
Vidar

Fra: Mirindi Mirindi CEDESURK [mailto:muliri.mirindi@cedesurk.org]
Sendt: 18. april 2016 21:32

Til: Josef Noll <josef@jnoll.net>
Kopi: Vidar Sannerhaugen <vs@kjellerinnovasjon.no>
Emne: RE : Re: BasicInternet Access to three test sites at Cedesurk

Dear Josef,

We will be waiting for a full proposal.

Best regards,

Muliri Sphone CEDESURK

----- Message d'origine -----

De : Josef Noll <josef@jnoll.net>

Date : 12/04/2016 20:02 (GMT+01:00)

À : Muliri Mirindi <muliri.mirindi@cedesurk.org>

Cc : Vidar Sannerhaugen <vs@kjellerinnovasjon.no>

Objet : Re: BasicInternet Access to three test sites at Cedesurk

Resend as I had the wrong email address of Vidar Sannerhaugen in my mail.

On 12 Apr 2016, at 20:59, Josef Noll <josef@jnoll.net> wrote:

Dear Muliri,

thanks for your comments, which coincides with the goals we have for including “everyone” into the digital society. Thus, good to recognise that we have common objectives.

Regarding the operation at Cedesurk and the Universities you are supporting, we are looking for a self-sustainable solution. Monka has offered to provide the roadmap for self-sustainable solution in collaboration with you.

Thus, I leave it to Guy to provide you with details on budget and action plan.

I'm looking forward to a successful operation in Kinshasa.

Kind regards

Josef

PS: Please excuse the late reply, the mail was hanging in my draft. Thought that I had answered earlier, but recognised only today that the mail was still “not finished”.

Prof. Josef Noll, Basic Internet Foundation #Basic4All and University of Oslo/UNIK,
N-2027 Kjeller

Josef@jnoll.net, ph: [+47 6484 4745](tel:+4764844745), mob: +47 9083 8066

«BasicInternet.org: *Imagine a world with free access to basic information*»

On 06 Apr 2016, at 01:32, Mirindi Muliri <muliri.mirindi@cedesurk.org> wrote:

Dear Josef,

Thanks for you email and the conference call. I have taken note on the different expectations mentioned and I hope that it will come as service.

- Enable students to be part of the digital society
- Provide students with access to Internet (low cost almost free)
- Provide free access to Cedesurk and educational content
- Provide payed access to other content (or look for sponsor to reduce cost)

- Let students use their own devices (Smartphone, Tablet, PC)
- Establish a cost-neutral infrastructure for Internet access
- Motivate students for (digital) entrepreneurship

Please let have a budget and an action plan (Local IT support, Internet capacity, What is your input on equipment (inventory)? What is your input on financial aspect (figures)?).

Salutations,

On Mon, 2016-04-04 at 22:22 +0200, Josef Noll wrote:

Dear Muliri,

Thanks for the phone conference, where you took time to explain the expectations of Cedesurk towards the roll-out of hot spots for Internet access. My understanding of your expectations were:

- Enable students to be part of the digital society
- Provide students with access to Internet
- Provide free access to Cedesurk and educational content
- Provide payed access to other content
- Let students use their own devices (Smartphone, Tablet, PC)
- Establish a cost-neutral infrastructure for Internet access
- Motivate students for (digital) entrepreneurship

We had a meeting with Guy Kamanda (Monka) to discuss on how to best meet your expectations. During the meeting we discusses two approaches, being

- a) a University collaboration, which later on is extended towards a self-sustainable (commercial) solution, and
- b) a commercial roll-out from day one.

Guy Kamanda (Monka), who has a better local knowledge of the situation in DRC, suggested that approach (a) takes too much time, and that approach (b) is the better time to market, given the successful pilot operations already performed.

Thus, we concluded during the meeting:

- * Operations in DRC are handed over to our commercial partner (Monka)
- * The Basic Internet Foundation provides the functionality of the platform, conditions to be defined through a business agreement.

We would like to thank you for the explanations, your time in

helping Monka with the pilot demonstration. We look forward for a successful operation of the access, helping to get 90% of your students to gain digital knowledge for learning (leverage), and perhaps 30% to start creating novel businesses (creation).

Kind regards

Josef

<image001.png>

Prof. Josef Noll, University of Oslo/UNIK, N-2027 Kjeller
Josef@jnoll.net, ph:+47 6484 4745, mob:+47 9083 8066

On 22 Mar 2016, at 18:20, Mirindi Muliri
<muliri.mirindi@cedesurk.org> wrote:

Dear Josef,

Thanks for your email and all informations, I had a chance to read you email and Guy's email.
Can we have a skype meeting next week the 29 or 30 or 31 march 2016.

Salutations,

On Thu, 2016-03-17 at 09:16 +0100, Josef Noll wrote:

Dear Muliri,

Sorry for having confused you with different messages you received from Norway. I have to recognise that we had a misunderstanding here. Thus, please allow me to clarify, and address your concerns.

> 1. Can I have a resume on the job which was done by Guy Kamanda (Monka).
The implementation that Guy Kamanda (Monka) had performed demonstrated that the hot-spot business is working successfully. The hot-spot solution

provides both access to local content (free of charge) and access to information on the Internet (voucher services). The service was tested at one University with several access points.

> We were suppose to do a real model test on 3 sites for a pilot phase and Monka/Inet as a first level locally technical support.

This test on one site was successfully concluded, and roughly 200 vouchers were used in a pre-operational phase.

When discussed with Guy, we assumed that an integration with your (Cedesurk) infrastructure was the goal of the pre-operational phase. Though the test on site was successful, we had to recognise that a scale up to cover wider parts of the University (and other Universities) is rather costly, given that there is no integration with your server infrastructure. At the same time, in the proposed phase 1, it is an essential step to completely understand and gain experience in the operational aspects of deploying and running a commercial service in the target environment of Cedesurk.

During our Skype call you mentioned that you had a) own servers, b) experiences with Mikrotik equipment and the connectivity to the other Universities. If I remember correctly, you talked about 8 Universities in DRC and Burundi to be inter-connected and operationalized with Basic Internet. That was the background why I suggested a new installation, with 2 access points at 3 Universities. However, we can re-use the equipment which Monka has, in order to have a faster time to market and reduce costs.

We believe that the hot-spot solution needs to be financially self-sustainable in the operational phase to be

commercially viable, even if we decide not to recover the upfront costs of infrastructure development and deployment.

I assume that you and your director see the benefits of students having (free) access to local content and (paid/voucher-based) access to information on the Internet. We believe that it is a win-win proposition both for the administration and the students, offering opportunities to attract the best students, building good brand, and turning out employable students with ready to use skills. The hot-spot solution requires:

- in phase 1 an integration into the infrastructure of Cedesurk
- in phase 2 the transition to a self-sustainable solution

Being a university, we will support phase 1, which is the integration into your infrastructure and getting it to work.

Regarding phase 2, we expect Cedesurk to negotiate with, e.g. Monka, the transition to a self-sustainable solution with no support from Norway, when the service goes commercially live to the user community.

I suggest that we take a Skype call to discuss details of phase 1 and 2. Please feel free to address any open issues prior to the Skype call.

Kind regards
Josef

Prof. Josef Noll, Basic Internet
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of Oslo/UNIK, N-2027 Kjeller
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mob:+47 9083 8066

«BasicInternet.org: *Imagine a world
with free access to basic information*»

On 01 Mar 2016, at 15:32,

Mirindi Muliri

<muliri.mirindi@cedesurk.org>

wrote:

Dear Josef,

Sorry for the late repose
and thank you for your
email and technical
details, I would like to
express my concern over
few things.

Before we go into
technical aspect on this
project:

1. Can I have a resume on
the job which was done by
Guy Kamanda (Monka).
2. I need to evaluate the
technical changes and
submit all changes to my
directors and this will take
time.

Can Guy Kamanda please
give us details on what
was done locally with
Yamboo. I have
personally test with
success Yamboo during
my visite to Inet.

We were suppose to do a
real model test on 3 sites
for a pilote phase and
Monka/Inet as a first level
locally technical support.

At CEDESURK we don't
have technical humain
ressources to affect for
this projects so the
solution should be
provided as a full package
(Hardware, Software,
Technical support).

How ever we are ready to
collaborate any how we
can for the success of the
initial project as define by
Monka/Inet.

Tanking in consideration
you previous email and
this one, i would like to

know if we are we stating from zero again? And if that is the case what will be the time frame?

Referring to you letter

At Kjeller, the place where the Arpanet reached Europe in 1973, we have the UNIK group working with the “free basic access to information”. The group at Kjeller has developed the hot-spot technology in collaboration with Guy Kamanda. As a result of these developments, Kjeller Innovation and UiO/UNIK have established the Basic Internet Foundation, and are working with our government to bring Internet out to everyone on the globe.

Universities in DRC can be interested with the “free basic access to information” as a solution so we need to know what will be exacte you input. Please let have a budget and an action plan (Local IT support, Internet capacity, What is your input on equipment (inventory)? What is your input on financial aspect (figures)?).

I am lost and I don't expect my general director to understand. This so this is a shoot in the foot.

Best regards,

On Thu, 2016-02-25 at 21:08 +0100, Josef Noll wrote:

Dear Muliri,

please find attached the communication with the CTO of the Basic Internet Foundation, Iñaki Garitano. As I understood from our communication, the radio communication between the Universities is reasonable. Thus one central server (virtual server) for the login page would be sufficient to serve the three Universities.

The attached drawing is based on a trial at three Universities, thus we have taken a “low-cost” approach for the routing (2 x Mikrotik RB951Ui-2HnD), covering both sides of the central Unit being a Mikrotik RB1100AHx2. Scaling up the solution

might require
to upgrade the
RB951 to
routers with
more
throughput.
But that
should be step
2 :-)

We assumed
that you
would like to
test with two
hot-spots at
each
University,
making it a
total of 3 x 2
+ 2
RB951Ui-2HnD.

If you agree
on this
technical
solution, may
I ask you to
get a
quotation for
the
- 8 x
RB951Ui-2HnD
- 1 x
RB1100AHx2

As discussed,
the Basic
Internet
Foundation
can pay the
bill for these
devices. As I
understood,
you are able
to establish
the virtual
machine,
being able to
host the
“captive
page” for the
“login/voucher
sales” (in case
of access to

non-free
sites).

Please let me
know about
the status of
the
collaboration
between our
Universities,
your
comments on
the set-up and
an envisaged
time plan.
Kind regards
Josef

———— from
the CTO of
the Basic
Internet
Foundation

Dear Josef,

I would
follow the
equipment
you
suggested.

Not having an
idea about the
number of
users and the
radio link
capacity, my
biggest
concern
would be on
whether or
not choose a
higher central
unit
(>RouterBoard1100AH)
and build
login pages in
each box
instead of
having a

central web
page. The last
one is to
reduce the
radio link
usage.

Thus, as you
said, I would
use the
following:

- Core
- 2x
RB951Ui-2HnD

- 1xRB1100AHx2
- Virtual

server
preferable
with Apache
+ PHP

- Per
university
- 2x
RB951Ui-2HnD

All the best,

Iñaki
Garitano
<http://www.garitano.info>

2016-02-17
21:27
GMT+01:00
Josef Noll
<josef@jnoll.net>:

>
> Dear Iñaki,
>
> topology is
as follows:
Cedesurk has
a centralised
access, and
spread from
there the
information
to the other
Universities
through a
radio-link.
We will try to

establish a
“blank”
installation,
meaning we
will not
consider the
Monka
network.

>

> Thats why I
though about
one “central
infrastructure”
providing the
access and the
local server,
and the rest is
connected
through radio
links/cables.

> Does that
help to set up
the list of
equipment?

> Kind
regards

> Josef

>

> Prof. Josef
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>

>

> «BasicInternet.org:

Imagine a
world with
free access to
basic
information»

>

> On 15 Feb
2016, at
08:40, Iñaki

Garitano
<igaritano@garitano.org>
wrote:
>

--

Muliri Mirindi
Responsable Informatique

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Huileries) Kinshasa-Gombe
B.P. 14898 Kinshasa 1 R.D. Congo
<Logo-cesurk-small.png>
<UiO_Cedesurk_Collaboration.pdf>

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