**From:** BHANDARKAR, PRAVIN   
**Sent:** Friday, October 19, 2018 4:12 PM  
**To:** BEHERA, JYOTI <[jyotibehera@northwesternmutual.com](mailto:jyotibehera@northwesternmutual.com)>  
**Cc:** PATTATHIL, SREENATH <[sreenathpattathil@northwesternmutual.com](mailto:sreenathpattathil@northwesternmutual.com)>; POLY, STEEPHEN <[steephenpoly@northwesternmutual.com](mailto:steephenpoly@northwesternmutual.com)>; PATIL, AMIT <[amitpatil@northwesternmutual.com](mailto:amitpatil@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Hi Jyothi

Here are the rules (DQ Rules) we are expecting to be setup as web services. For some attributes it is just reference validation based on mapping provided in PDB Mapping doc. There is no DB connections/lookup required. Address Validations/Standardization, Email Validations, Phone Validations are all straight forward and available OOB from DQ tool and hence the reduced design/build hrs. given based on my discussions with a DQ lead operating in AmFam.

The installation costs were reduced because the assumption is that the AWS environment and

Can you please provide confirmed $ costs that can be given to Glen after discussions with your team and validating everything is good to be shared from Infosys perspective.

Thanks

Pravin Bhandarkar

**From:** BEHERA, JYOTI   
**Sent:** Friday, October 19, 2018 2:03 PM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>  
**Cc:** PATTATHIL, SREENATH <[sreenathpattathil@northwesternmutual.com](mailto:sreenathpattathil@northwesternmutual.com)>; POLY, STEEPHEN <[steephenpoly@northwesternmutual.com](mailto:steephenpoly@northwesternmutual.com)>; PATIL, AMIT <[amitpatil@northwesternmutual.com](mailto:amitpatil@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Pravin,

I have added time for project management and team meetings. The ball park estimation is for 6 months, 1 onsite and 1 offshore.

Approximate figures :

Total: 1826 hrs

Resource- 1 Onsite and 1 Offhore

Total months -6 months

Total Cost : 135,000 USD (approx.)

This is a ballpark figure. I need to check with offshore on Monday. There may be some changes after that. If you can wait until Monday, will share the final #.

Thanks – Jyoti

**From:** BEHERA, JYOTI   
**Sent:** Friday, October 19, 2018 11:24 AM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>; PATTATHIL, SREENATH <[sreenathpattathil@northwesternmutual.com](mailto:sreenathpattathil@northwesternmutual.com)>  
**Cc:** PATIL, AMIT <[amitpatil@northwesternmutual.com](mailto:amitpatil@northwesternmutual.com)>; POLY, STEEPHEN <[steephenpoly@northwesternmutual.com](mailto:steephenpoly@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Pravin,

The estimation is changed, which I had given earlier (That was validated by IDQ team) . I want to understand, what all assumptions make this estimation. Based on your input, I will talk to IDQ people and will find a ball park figure.

I am working with team to get the billing rate for offshore and onshore.

If you can provide this info today, I will get back to you on Monday.

Thanks – Jyoti

**From:** BHANDARKAR, PRAVIN   
**Sent:** Thursday, October 18, 2018 11:20 AM  
**To:** BEHERA, JYOTI <[jyotibehera@northwesternmutual.com](mailto:jyotibehera@northwesternmutual.com)>; PATTATHIL, SREENATH <[sreenathpattathil@northwesternmutual.com](mailto:sreenathpattathil@northwesternmutual.com)>  
**Cc:** PATIL, AMIT <[amitpatil@northwesternmutual.com](mailto:amitpatil@northwesternmutual.com)>; POLY, STEEPHEN <[steephenpoly@northwesternmutual.com](mailto:steephenpoly@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Just need to know the blended rate…so we can give an initial ball park…

**From:** BEHERA, JYOTI   
**Sent:** Thursday, October 18, 2018 11:18 AM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>; PATTATHIL, SREENATH <[sreenathpattathil@northwesternmutual.com](mailto:sreenathpattathil@northwesternmutual.com)>  
**Cc:** PATIL, AMIT <[amitpatil@northwesternmutual.com](mailto:amitpatil@northwesternmutual.com)>; POLY, STEEPHEN <[steephenpoly@northwesternmutual.com](mailto:steephenpoly@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Do you have any hard dates for delivery ? If so accordingly we have to look for resources .

Otherwise, as per the initial planning, I was thinking to have one offshore and one onshore IDQ resource. So that we can deal if there is any resource issue, but our hours will be same though. If that is the understanding, I can give you a estimation by tomorrow/Monday (because tomorrow is offshore off) .

Thanks – Jyoti

**From:** BHANDARKAR, PRAVIN   
**Sent:** Thursday, October 18, 2018 9:52 AM  
**To:** PATTATHIL, SREENATH <[sreenathpattathil@northwesternmutual.com](mailto:sreenathpattathil@northwesternmutual.com)>; BEHERA, JYOTI <[jyotibehera@northwesternmutual.com](mailto:jyotibehera@northwesternmutual.com)>  
**Cc:** PATIL, AMIT <[amitpatil@northwesternmutual.com](mailto:amitpatil@northwesternmutual.com)>; POLY, STEEPHEN <[steephenpoly@northwesternmutual.com](mailto:steephenpoly@northwesternmutual.com)>  
**Subject:** FW: Scope for DQ estimate

If we were to give a costing for this effort…what rate do we use. Glen is asking for a ball park cost estimate for the effort.

**From:** BHANDARKAR, PRAVIN   
**Sent:** Wednesday, October 17, 2018 10:59 AM  
**To:** WATSON,GLEN <[glenwatson@northwesternmutual.com](mailto:glenwatson@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Hi Glen

Attached revised estimates. Please let me know if further questions.

Thanks

Pravin Bhandarkar

**From:** WATSON,GLEN   
**Sent:** Monday, October 15, 2018 1:04 PM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Pravin,

On the DQ work, just an FYI for you and the DQ team working on this … We included North American Accelerator package which includes ALL of the pre-built rules for things like email, phone, SSN, DOB, etc …

So DQ rules for those attributes are literally drag and drop.  There is no definition, design, implementation for those rules. They are pre-defined and out of the box.  I’m sure your DQ team will be familiar but as you finalize the hours please keep this in mind.  The bulk of the rules we come up with will be literally minutes to implement.

Address Doctor still works like it always has.  It’s simple to set up also.

Thanks,

Glen

**From:** BHANDARKAR, PRAVIN   
**Sent:** Wednesday, October 10, 2018 3:39 PM  
**To:** WATSON,GLEN <[glenwatson@northwesternmutual.com](mailto:glenwatson@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Glen

Will connect with you in DT on this tomorrow.

Thanks

Pravin Bhandarkar

**From:** WATSON,GLEN   
**Sent:** Wednesday, October 10, 2018 10:34 AM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Pravin,

Do you know when we might be able to get together to review next steps here?  (the ask for an estimate on the implementation of the DQ product along with the implementation of the DQ rules – exposed at web services and a detailed design for how to handle the integration between the SnapLogic product and the DQ web services).

And I realize it likely won’t be YOU walking through this but I figured it was easier to ask you.  😊

Thanks,

Glen

**From:** WATSON,GLEN   
**Sent:** Wednesday, October 3, 2018 8:43 AM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Weird.  Reattaching.

Thanks,

Glen

**From:** BHANDARKAR, PRAVIN   
**Sent:** Wednesday, October 3, 2018 8:43 AM  
**To:** WATSON,GLEN <[glenwatson@northwesternmutual.com](mailto:glenwatson@northwesternmutual.com)>  
**Subject:** RE: Scope for DQ estimate

Attachment/Document is missing

**From:** WATSON,GLEN   
**Sent:** Wednesday, October 3, 2018 8:33 AM  
**To:** BHANDARKAR, PRAVIN <[pravinbhandarkar@northwesternmutual.com](mailto:pravinbhandarkar@northwesternmutual.com)>  
**Subject:** Scope for DQ estimate

Pravin,

Threw this together last night.  Let me know if you have questions.  Just trying to get an estimate.  Work would likely begin in Nov.

Thanks,

**Glen M. Watson** | Client 360 Program Lead

**Enterprise Data & Analytics**

**C: 203-979-2242**