

## Dev Danny – eMagiz Developer, CAPE Groep, Enschede



*“I need to be sure that things will work and/or are working”*

**Type of company:** Specialist in systems integration, and related specialities such as data transformation, file- and message formats.

**Services offered:** Systems integration, mainly through a so-called ‘messaging bus’.

**Job experience:** Has been an eMagiz Developer for over a year.

**IT experience:** High, holds a Master’s degree in IT- or an IT-related domain.

**eMagiz experience:** Over a year, uses eMagiz everyday to build, maintain, or improve integrations.

**Use of Interchange:** Mostly uses eMagiz for integrations, building them, testing them, deploying them.

**Needs to be able to:**

- See or quickly access relevant information at point of use
- Spot errors quickly
- Solve errors quickly, know how to solve an error

**Key questions:**

- What impact will my changes have on the existing architecture?
- Did my changes complete successfully? What to do if it doesn’t
- Do I have the resources(machines) to do this?

| <b>Scenario 1 – Fresh Start: Creation of Cloud slot:</b>   |  |
|--|--|
| <p>Danny has been working on a new client bus for a few sprints. In the course of doing so he has designed a cloud architecture in the DESIGN phase of eMagiz. The resources it requires have been approved and subsequently purchased. The next step is to make the Cloud Architecture he designed in the DESIGN phase a reality by using the DEPLOY phase in eMagiz.</p> | <p><b>Importance:</b> High<br/><b>Frequency:</b> Low</p> |

| Scenario steps   | Comments  | Outstanding questions   | Required functionality   |
|--|---|---|--|
| <p><i>NOT IN MOCKUP</i></p> <p>Danny logs into eMagiz and navigates to the DEPLOY phase of the client’s bus.</p> <p>In the 2<sup>nd</sup> level menu he checks whether he’s on the intended environment, which is ‘Acceptance’. He is on ‘Testing’, so he changes it to ‘Acceptance’ and the screen refreshes.</p> |   | <p>Is it clear to Danny straight away which environment is selected?</p> <p>(We currently have this functionality given its importance would a novice developer know, without prior instruction?)</p> | <p>Indication of present environment, and possibility to switch(already present)</p>             |
| <p>When the screen is done refreshing Danny clicks on ‘My cloud slot’.</p> <p><i>MOCKUP START</i></p> <p>This takes him to the screen that compares the cloud architecture he designed in DESIGN to the cloud</p>  | <p>This is the screen that shows the Cloud Architecture widget for DEPLOY.</p> <p>The white colour shows the machines AND runtimes currently DON’T exist. The</p> |   | <p>A view showing the difference between the actual cloud architecture and the designed one.</p> |

|   |  |  |   |
|---|--|--|---|
| <p>architecture as it actually is, resulting in a so-called diff. view.</p> <p>Because this is Danny’s very first time for this client no REAL cloud architecture exists. As a result the diff. view shows all <b>cloud</b> machines as <b>white with a green outline</b>.</p>    | <p><b>green</b> outline around the machines shows they will be added HERE. The <b>gray</b> outline around the runtimes shows these will NOT be created HERE.</p> <p>From the user’s point of view runtimes will be created as soon as a release is deployed. However, eMagiz does add the very minimum of runtimes as needed for the cloud slot to count as ‘ready’. This is not shown because it could confuse the user into thinking he already has a partially working bus.</p> |  |   |
| <p>Before Danny takes any further steps he wants to be sure he won’t run into problems when he creates the cloud slot. Although no errors or warnings are showing, Danny likes to double-check and inspects the listing of resources, paying extra care to what is available.</p> | <p>Resources are the machines the client has approved and paid for. Machines come in fixed sizing(S, M, L, XL)</p>   |  | <p>A list that shows resources(machines) and their current usage. It should show how many machines are already in use, and how many can still be created without the need for another purchase.</p> |

|  |   |  |   |
|--|---|--|---|
| <p>The architecture Danny designed in the DESIGN phase consists out of 5 machines. Of those 5 machines 2 are so-called core machines of size L. The remaining three machines are so-called connector machines and have sizes M, XL, and another XL.</p> <p>The sizing of the 2 core machines matches with what eMagiz recommends, and this is shown on the machines.</p> <p>For the connector machines Danny designed two to be bigger than their recommended size, and this also shows. Danny designed it this way because these machines will need more than their currently recommended capacity when the next sprint completes.</p> <p>The purchase of more capacity can take precious time, and Danny prevented a potential slow-down to the project by designing these two connector machines to be larger than eMagiz suggests.</p> | <p>Here we show both the recommended and configured sizing again. This way Danny can immediately recognise if this is indeed the design he remembers AND whether the sizes are large enough according to eMagiz</p> |  | <p>The recommended AND the configured(design) size needs to be shown on the machines.</p> |
| <p>Danny has confirmed he has the resources his design requires, and what he sees, albeit with white machines, is identical to what he remembers designing in DESIGN.</p>  |   | <p>Start editing is a very global name for the action, could we come up with a better name? Perhaps 'Edit My Cloud'.</p> | <p>Editing mode, which allows the design to be made a reality.</p>                        |

|   |  |   |  |
|---|--|---|--|
| <p>Confident that everything is in order he clicks 'Start Editing'.</p> <p>The background changes colour to confirm to Danny he has entered 'Edit mode' and is now about to make real changes. Another button that was previously shown as disabled now becomes available 'Push design to my cloud'.</p>  |  |   |  |
| <p>After another glance at the screen Danny clicks on 'Push design to my cloud'. As soon as he does he sees a progress indicator on the machines as they are being created in the cloud. When a machine has been created it shows in colour. This lets Danny know the machine has been created and is running.</p> <p>While this is happening the 'Stop Editing' and 'Push design to my cloud' controls are disabled.</p> |  | <p>What about the connectors and containers? Should they remain white? As far as I know they are not created when the cloud is.</p> <p>After talking to Samet I decided it is best to keep them white with a <b>gray</b> outline.</p> |  |
| <p>After some time the machines have been created and the cloud slot is a reality. The machines that have been created have their normal colours. In the right panel the overview of resources has also changed. All the available resources are</p>  |  |   |  |

|  |   |  |  |
|--|---|--|--|
| <p>now in use and the numbers in the list reflect this.</p>  |   |  |  |
| <p>Danny is happy to see his design came to life so easily and now the acceptance cloud slot is ready.</p> | <p>Now that the cloud slot is ready the next step for Danny is most likely deploying a release to acceptance for the very first time.</p> |  |  |

| <p><b>Scenario 2 – Lifecycle Management: Cloud slot maintenance &amp; update</b></p>                      |   |
|---|---|
| <p>Danny is working on a client’s bus and this sprint some updates have to be done in the Cloud Slot.</p> | <p><b>Importance:</b> High<br/><b>Frequency:</b> High</p> |

| <p><b>Scenario steps</b></p>   | <p><b>Comments</b></p> | <p><b>Outstanding questions</b></p>  | <p><b>Required functionality</b></p>   |
|--|------------------------|--|--|
| <p>Danny logs into eMagiz and navigates to the DEPLOY phase of the client’s bus.</p> <p>In the 2<sup>nd</sup> level menu he checks whether he’s on the intended environment, which is ‘Acceptance’. He is on ‘Testing’, so he changes it to ‘Acceptance’ and the screen refreshes.</p> |                        | <p>Is it clear to Danny straight away which environment is selected?<br/>(We currently have this functionality given its importance would a novice developer know, without prior instruction?)</p> | <p>Indication of present environment, and possibility to switch(already present)</p> |

|  |   |  |  |
|--|---|--|--|
| <p>When the screen is done refreshing Danny clicks on 'My cloud slot'.</p> <p><b>MOCKUP START</b></p> <p>This takes him to the screen that compares the cloud architecture he designed in DESIGN to the cloud architecture as it actually is, resulting in a so-called diff. view.</p> <p>Danny has been here before and as far as machines go the cloud slot is almost identical to the design. There are some changes, though. One machine will grow in size from 'M' to 'L', and a new machine with size 'M' will also be added.</p> <p>These changes are due to the connector from 'Sky Service Portaal' being moved from on-premises to the cloud, and because the 'Sigmax' connector is moved to another DMZ machine. This also affects how these runtimes are shown here.</p> <p>Last but not least '4PS Navision' will be removed from the bus entirely.</p> | <p>Sigmax and its connector are shown as red at the DMZ machine where they are now, and shown as green at the DMZ where they will be moved to. Visually this should communicate that Sigmax and its connector are 'removed' from one DMZ to be added to another.</p> <p>Technically Sigmax is never removed. Just the connector is copied to another DMZ and the removed from the old one</p> |  |  |
|--|---|--|--|