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Approval

No.	Recipient		Position and Division		No.	
1	Arjen Jansen	Plaintech NL, Chief Executive Officer (CEO)	1	Arjen Jansen	Plaintech NL, Chief Executive Officer (CEO)	1
2	Irshad Rampersad	Plaintech NL, Chief Technical Officer (CTO)	2	Irshad Rampersad	Plaintech NL, Chief Technical Officer (CTO)	2
3	Wilko Oskam	Plaintech UK representative	3	Wilko Oskam	Plaintech UK representative	3

Summary

In this document we have made all functional design aspects of project virtualization. This are the functional requirments that we are gonna fulfill for project virtualization. In the functional document we are gonna talk about the next subjects:

- Use case diagram
- Use case scenarios
- Activity diagram

After this document you will get a idea of how the functional requirments of project virtualization is gonna after completed.



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1. Use case diagrams

1.1 Summary

In this following chapter you will see the usage of the use case diagram for project VIRT. We have two actors for the virt project.

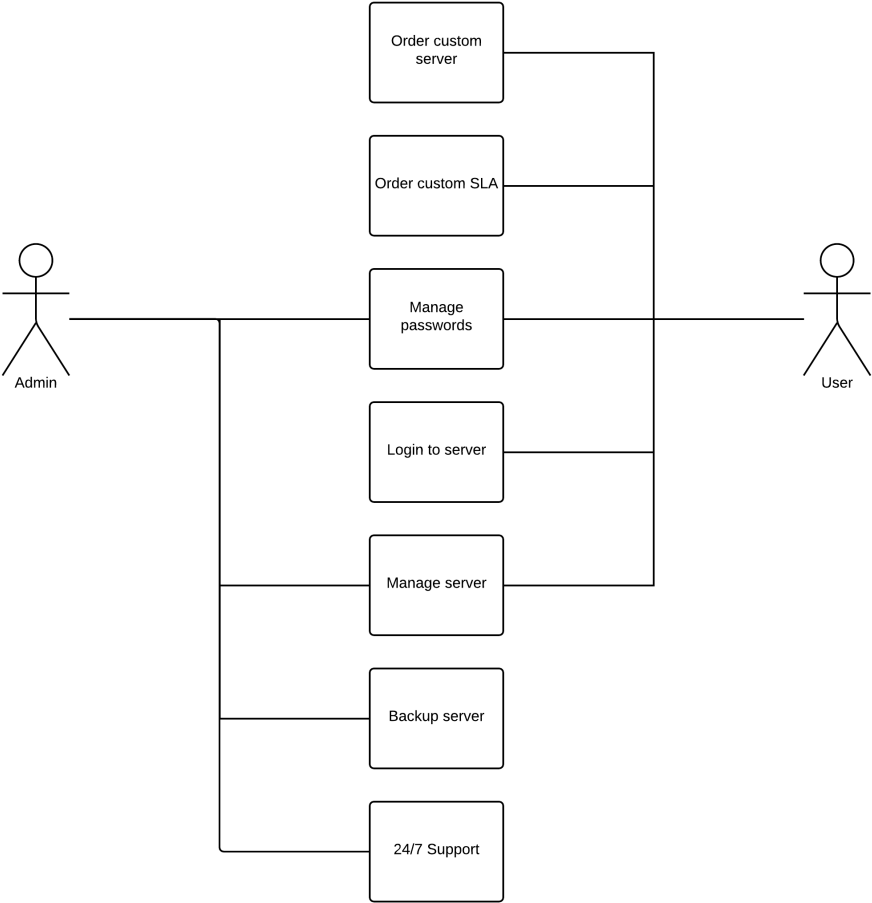
The first actor is Admin, this actor is mainly for the maintenance of the VIRT serverpark, but also has responsibilities for managing the following:

- Passwords
- Backups
- Servers

And next to managing the above, he also gives the 24 hour help desk support. This task is done by a team of employees because its hard for 1 person to manage almost 5000 servers with more than 50000 VM clients.

The second actor is the client. The main use cases for the client is buying a product. And of course a little bit of managing his own server and password.

1.2 --



2.Scenarios

Titel	Make a user account
Summary	If client doesn't have an existing user account
Primaire actor	User (client), System
Precondities	User doesn't have a existing user account for plaintech
Success guarantee	User has to press one make a new account. Fill the form in and submit.
Main success scenarios	<ul style="list-style-type: none"> • User press one make a new account. • User fills out the form. • System checks if the account is new. • User submit his form. • System sends confirm link to email. • User confirms email. • User can now make use of his plaintech account
Subscenario's (Extensions)	<ul style="list-style-type: none"> • User already exists, user gets error message "email already in use" • User terminates filling out the form • System can't access database • System doesn't send confirm email • User doesn't confirm his email

Titel	Login
Summary	Client logs in to plaintech
Primaire actor	User (client), System
Precondities	User has a existing user account for plaintech User is not logged on to plaintech
Success guarantee	User clicks on log in button, fills his username and password, user is logged on to plaintech
Main success scenarios	<ul style="list-style-type: none"> • User press one log in. • User fills out his username. • User fills out his password. • System checks if the account exist. • System sends ok message. • User signd in to plaintech. • User can now make use of his plaintech website

Subscenario's (Extensions)	<ul style="list-style-type: none"> • System can't access database • User doesn't exist. • User closes plaintech website.
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Titel	Order server
Summary	Client logs in to plaintech, orders a configured server packet, and checks out.
Primaire actor	User (client), System
Precondities	User has a existing user account for plaintech User is logged on to plaintech
Success guarantee	User is logged on plaintech, user choices between pre configured server packets, and checks out.
Main success scenarios	<ul style="list-style-type: none"> • User logged on to plaintech. • User goes to order page • User chooses his pre configured server packet • User confirms his payment method • System checks his information • System send user log information
Subscenario's (Extensions)	<ul style="list-style-type: none"> • System can't access database • User is not logged on to plaintech • Pre configured server packet is not available

Titel	Order custom server
Summary	Client logs in to plaintech, orders a custom server packet, and checks out.
Primaire actor	User (client), System
Precondities	User has a existing user account for plaintech User is logged on to plaintech
Success guarantee	User is logged on plaintech, user choices between pre configured server packets, and configures the package to his needs, and checks out.
Main success scenarios	<ul style="list-style-type: none"> • User logged on to plaintech. • User goes to order page • User chooses his pre configured server packet • User can change amount of RAM • User can change amount of HDD • User can change amount of VCPU • User confirms his payment method • System checks his information • System send user log information

Subscenario's (Extensions)	<ul style="list-style-type: none"> • System can't access database • User is not logged on to plaintech • The configured server packet is not available
Titel	Order SLA
Summary	Client logs in to plaintech, orders a custom or pre configured server packet, and custom or pre configured SLA and checks out.
Primaire actor	User (client), System
Precondities	User has a existing user account for plaintech User is logged on to plaintech, User has choosen his pre configured or custom server
Success guarantee	User is logged on plaintech, user choices between pre configured SLA, and checks out.
Main success scenarios	<ul style="list-style-type: none"> • User logged on to plaintech. • User goes to order page • User chooses his pre configured server packet or custom server packet. • User chooses his SLA • User confirms his payment method • System checks his information • System send user log information
Subscenario's (Extensions)	<ul style="list-style-type: none"> • System can't access database • User is not logged on to plaintech • The SLA is not available

3. Activity diagram

