



Final Report
Insurance-Karwao

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Submitted To-

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Acknowledgement

The success and final outcome of this project required a lot of guidance and assistance from many people and We are extremely privileged to have got this all along the completion of this project. All that we have done is only due to such supervision and assistance and we would not forget to thank them.

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Problem Statement

While India's insurance sector has been growing dynamically in recent years, its share in the global insurance market remains abysmally low. The insurance sector faces various challenges. Majority of them being, proper quoting, fraudulent claims, late claim assessment and slow processing of claims which includes but not limited to payment and closure. The fact taken to the consideration "India does not have an effective insurance fraud law despite the fact that frauds burnt a Rs 45,000-crore hole in the Indian insurance industry's pocket in 2019." Looking deeper into the situation Fraud car claims cost the insurance industry a huge sum every year. About 90 percent of auto insurance fraud is the result of claims padding (which means to add damages, fictitious passengers to insurance claim. The other 10% comes from organized accident staging and forged papers. Since the magnitude of this challenge is significant, this cannot be resolved by the government alone. This has been a serious issue and an immediate action to improve this has to be taken.

Other challenge is that blockchain comes with a lot of dependencies. To cut these dependencies and make it a sustainable project we need to find an alternate to private ledger.

Reasons for selecting this topic

With Digitalization is on the verge, the insurance industry opens up with opportunities. With coming breakthroughs in Blockchain India needs to implement a solution based on it to reduce frauds in insurance market and help it to grow significantly. The reason for selecting the topic is to test whether such a system can exist and how will it help to improve the market growth and avoid errors.

Objective of this Project

The objective of this project is to design a fabric platform that will connect claimer, insurance company, hospital and police station. The project is distributed into 4 ledgers. Claimer Insurance ledger- The ledger will allow the claim with required documents. Hospital Police Ledger- The ledger will allow the Hospital to register an accident. Insurance Police Ledger- This ledger will allow the Insurance company to verify the claim. Insurance Claimer Ledger- This ledger will allow the company to make required transaction. The above four ledgers will work simultaneously to reduce the frauds and increase the output.

Implementation Details

The project is designed with an incremental model approach where the entire software is divided into 3 independent modules. **CIL- Analysis-> Design-> Code-> Test-> Deploy HPL- Analysis-> Design-> Code-> Test-> Deploy IPL- Analysis-> Design-> Code-> Test-> Deploy the CIL module** will allow a person to register, buy an insurance, apply for a claim and an insurance company to make required transaction with the customer. The HPL module will allow hospital to register or verify an accident with the police station. This will help to avoid fictitious passengers during an insurance claim. The IPL module will allow the Insurance company to verify the needed with police department for accidental and theft claims. When these three independent modules will combine they will have a decentralized fabric that can be directly accessed by the Police and Insurance company. This fabric will consist of all the transactions.

Hardware and Software to be Used Tech Stack

HTML, CSS, JavaScript, Python, AWS, Blockchain, Dynamo DB Software Used: Visual Studio Code, Visual Studio, AWS CLI, AWS SDK, Blockchain Composer, Django, Git, GitHub Hardware used: Apple MacBook Air 2019, Mac OS, 8 GB Ram, 512 SSD, I5 10th generation quad core Asus Vivobook, Windows OS, 8 GB Ram, 512 Gb HDD, i5 10th Generation Quad core.

What contribution would the project make and where?

The project is focused on the need of the insurance market and how it can be strengthened against frauds. Providing a single source of truth allows friction in business processes to be drastically reduced, using solutions such as smart contracts to facilitate and automate DLT networks. Data reconciliation is made easier, accuracy is improved, and time spent uncovering information is eliminated, allowing for transparency, efficiency gains and cost reductions throughout a value chain. What's more, shared industry tasks and automation generate more seamless processes and lower total cycle times. The aggregate improvements in speed and accuracy can also create more positive customer experiences. For example, shortening the claims cycle through improved efficiency could lead to higher customer satisfaction and retention, while faster and better access to data could enable smoother interaction between insurers and their customers. Reducing inefficiencies and costs throughout the value chain could, ultimately, even lead to lower premiums.

Conclusion

After successful implementation of this project, we will be able to automate the insurance filing, claiming and validating the processes for both the company and the client. This project will allow the insurance sector a freedom from forgery and threats and will help to strengthen the infrastructure.

Source Code

Login Page

```
{% load static %}
<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-
scale=1.0, minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Sign In - Insurance Karwao</title>

    {% stylesheet %}
    <link rel="stylesheet" href="{% static '/css/accounts.css' %}">

</head>
<body>
{% include 'base/navbar.html' %}
<div class="main-container">
    <div class="box-wrapper">
        <div class="lef-wrapper">
            <div class="upper-content">
                <div class="title">
                    <h1>SIGN IN</h1>
                </div>
                <div class="welcome-text">
                    <p>Welcome back!</p>
                </div>
            </div>

            <div class="lower-content">
                <p>New to Insurance Karwao? <b><a href="{% url 'user-
register'%}">Sign Up Free</a></b></p>
            </div>
        </div>

        <div class="right-wrapper">
```

```

<div class="main-form">
  <form action="" method="post" id="sign-in-form">
    {% csrf_token %}

    <label>Username</label>
    <input required class="input-field" type="text" name="username" place-
holder="Email Address">

    <label>Password</label>
    <input required class="input-field" type="password" name="password"
placeholder="Password">

    <input id="sign-in-btn" type="submit" value="Send">
  </form>
</div>
</div>
</div>
</div>

```

```

{% ifequal error "no" %}
  <script>
    alert('Logged in Successful');
    window.location = ('{% url 'home' %}');
  </script>
{% endifequal %}

```

```

{% ifequal error "yes" %}
  <script>
    alert('Invalid Login Credentials, Try Again');
  </script>
{% endifequal %}

```

```

</body>
</html>

```

```

SignUp
{% load static %}

```

```

<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
    content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-
scale=1.0, minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Sign Up Free- Insurance Karwao</title>

  {# stylesheet #}
  <link rel="stylesheet" href="{% static '/css/accounts.css' %}">

</head>
<body>
{% include 'base/navbar.html' %}
<div class="main-container">
  <div class="box-wrapper">
    <div class="lef-wrapper">
      <div class="upper-content">
        <div class="title">
          <h1>SIGN UP FREE</h1>
        </div>
        <div class="welcome-text">
          <p>Always free, no credit card required</p>
        </div>
      </div>

      <div class="lower-content">
        <p>Already have an account? <b><a href="{% url 'sign-in' %}">Sign In</
a></b></p>
      </div>
    </div>

    <div class="right-wrapper">
      <div class="main-form">
        <form action="" method="POST">
          {% csrf_token %}

```

```
<label>First Name</label>
<input type="text" class="form-control" name="first_name" required>
```

```
<label>Last Name</label>
<input type="text" class="form-control" name="last_name" required>
```

```
<label>Username</label>
<input type="text" class="form-control" name="username" required>
```

```
<label>Email</label>
<input type="email" class="form-control" name="email" required>
```

```
<label>Password</label>
<input type="password" class="form-control" name="password" re-
quired>
```

```
<label>Confirm Password</label>
<input type="password" class="form-control" name="confirm_pass-
word" required>
```

```
<div class="control-group">
  <div class="controls">
    <button id="sign-in-btn" class="btn btn-success">Register</but-
ton>
```

```
  </div>
</div>
</form>
</div>
</div>
</div>
</div>
```

```
{% ifequal error "no" %}
  <script>
    alert('User created successful');
    window.location = ('{% url 'home' %}');
  </script>
{% endifequal %}
```

```
{% ifequal error "yes" %}
<script>
    alert('Something went wrong, Try Again');
</script>
{% endifequal %}
```

```
</body>
</html>
```

Main page:

```
{% load static %}
<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-
scale=1.0, minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Insurance Karwao</title>

    {% stylesheet %}
    <link rel="stylesheet" href="{% static '/css/main.css' %}">
</head>
<body>
{% include 'base/navbar.html' %}
<section class="section1">
    <div class="intro-wrapper">
        
        <div class="intro">
            <h1>Insurance Karwao</h1>
            <hr>
            <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aliquam amet
animi asperiores consequatur
                cum cupiditate dignissimos eaque incidunt iste itaque laudantium maiores
numquam perspiciatis
```

provident quos tempora unde velit, voluptatibus?</p>
</div>
</div>

<div class="about-wrapper">
 <div class="left-box">
 <h1>About us</h1>
 <hr>
 <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aliquam aut de-
leniti doloribus eum
 expedita, fuga, iure laboriosam laborum maxime minima minus nesciunt
nobis non, obcaecati pariatur
 perspiciatis quasi quod vel.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusamus ad
atque deleniti distinctio,
 dolore ducimus eaque earum eos eveniet excepturi ipsam quasi reiciendis
rerum saepe sunt. Ad aliquam
 asperiores nam.
 </p>

 <p>To know more about us click here.</p>
</div>

<div class="right-box">
 <h2>Something about our product goes
 here with an image</h2>

</div>
</div>

</section>

<section class="section2">
 <div class="contact-wrapper">

 <div class="contact-left">
 <h1>Having Doubts?</h1>
 <p>Feel free to ask us!</p>
 </div>


```

<div class="contact-right">
  <form action="" method="post" id="contact-form">
    {% csrf_token %}

    <label>Name</label>`
    <input required class="input-field" type="text" name="name">

    <label>Subject</label>
    <input required class="input-field" type="text" name="subject">

    <label>Email</label>
    <input required class="input-field" type="text" name="email">

    <label>Message</label>
    <textarea required class="input-field" name="message"></textarea>

    <input id="submit-btn" type="submit" value="Send">
  </form>
</div>
</div>
</section>

{% ifequal error "no" %}
  <script>
    alert("Your Query Accepted Successfully, We'll reach you as soon as possible!");
    window.location = ('{% url 'home' %}');
  </script>
{% endifequal %}

{% ifequal error "yes" %}
  <script>
    alert('Something went wrong, Try Again!');
    window.location = ('{% url 'home' %}');
  </script>
{% endifequal %}
<script src="{% static '/js/main.js' %}"></script>
</body>

```

</html>

NavBar

{% load static %}

<div class="navbar">

<div class="logo">

<h1>Insurance Karwao</h1>

</div>

<ul id="nav-links-1">

home

about

<p>|</p>

get in touch

<ul id="nav-links-2">

{% if user.is_authenticated %}

Hi {{ user.first_name }}

<p>|</p>

Shop

<p>|</p>

Logout</

a>

<script>

function logout_message() {

confirm("Do you wish to Log Out?");

}

</script>

{% else %}

login

<p>|</p>

sign up

{% endif %}

```
</ul>
</div>
```

Admin

```
from django.contrib import admin
```

```
# Register your models here.
```

```
from base.models import Contact
```

```
admin.site.register(Contact)
```

Models

```
from django.db import models
```

```
# Create your models here.
```

```
class Contact(models.Model):
```

```
    name = models.CharField(max_length=20)
```

```
    date = models.DateTimeField(verbose_name='date_created', auto_now_add=True)
```

```
    subject = models.CharField(max_length=150)
```

```
    email = models.EmailField(verbose_name="email", max_length=60, unique=True)
```

```
    message = models.TextField(max_length=500)
```

```
    def __str__(self):
```

```
        return self.name
```

Insuarence Peer

```
port: 7054
```

```
debug: false
```

```
tls:
```

```
    enabled: true
```

```
    certfile: /ca/tls/cert.pem
```

```
    keyfile: /ca/tls/key.pem
```

clientauth:
 type: noclientcert
 certfiles:

ca:
 name: insurance-org
 keyfile: ./ca/key.pem
 certfile: ./ca/cert.pem
 chainfile: ./ca/cert.pem

registry:
 maxenrollments: -1
 identities:
 - name: admin
 pass: adminpw
 type: client
 affiliation: ""
 maxenrollments: -1
 attrs:
 hf.Registrar.Roles: "client,user,peer,validator,auditor"
 hf.Registrar.DelegateRoles: "client,user,validator,auditor"
 hf.Revoker: true
 hf.IntermediateCA: true

db:
 type: sqlite3
 datasource: fabric-ca-server.db
 tls:
 enabled: false

ldap:
 enabled: false

signing:
 default:
 usage:
 - cert sign
 expiry: 8760h
 profiles:
 ca:

usage:
- cert sign
expiry: 43800h
caconstraint:
 isca: true
 maxpathlen: 0

csr:
 cn: fabric-ca-server
 names:
 - C: DE
 ST: "Baden-Wuerttemberg"
 hosts:
 - insurance-ca
 - localhost
 ca:
 expiry: 131400h
 pathlength: 10

bccsp:
 default: SW
 sw:
 hash: SHA2
 security: 256
 filekeystore:
 keystore: msp/keystore

cacount:

cafiles:

intermediate:
 parentserver:
 url:
 caname:

enrollment:
 hosts:
 profile:
 label:

tls:

certfiles:

client:

certfile:

-----BEGIN CERTIFICATE-----

MIICNzCCAd6gAwIBAgIRANng2fKoOegw0NWlaYNVjkgwCgYIKoZIzj0EAwI-
wbTEL
MAkGA1UEBhMCVVMxEzARBgNVBAgTCkNhbGlmb3JuaWExFjAUBgN-
VBACTDVNhbBiBG
cmFuY2lzY28xFjAUBgNVBAoTDWluc3VyYW5jZS1vcmcxGTAXBgN-
VBAMTEGNhLmlu
c3VyYW5jZS1vcmcwHhcNMjE2MTIxNzMzWhcNMzEwMzI0MTIxNzMz-
WjBtMQsw
CQYDVQQGEwJVUzETMBEGA1UECBMKQ2FsaWZvcn5pYTEWMBQ-
GA1UEBxMNU2FuIEZy
YW5jaXNjbzEWMBQGA1UEChMNaW5zdXJhbmNlW9yZzEZMBcGA1UEAx-
MQY2EuaW5z
dXJhbmNlW9yZzBZMBMGBYqGSM49AgEGCCqGSM49AwEHA0IABEWsV/
1KTpL5rbdw
+kJHK2QPPvBsFV1LEWZt4HG7tvwXVY3OG0Awvv0U7nkMh2hFgcvXrb+gPq-
WvIIRx
f6HTZr+jXzBdMA4GA1UdDwEB/wQEAwIBpjAPBgNVHSUECDAGBgRVH-
SUAMA8GA1Ud
EwEB/wQFMAMBAf8wKQYDVR0OBCIEIPIGT9Jp8+b9xqXRMUAh-
Y4rq1DI1t1za+DVp
m6bRgMhiMAoGCCqGSM49BAMCA0cAMEQCIC9VifyBj3+ZxeAgYrT8Fwq+A
0z7gQop
Blg2xL+fUgIbAiAB67e9AcCXWAZ58I0qDBW1Cvg5SJgL4wITUu3i/BuwxQ==
-----END CERTIFICATE-----

Key File

-----BEGIN PRIVATE KEY-----

MIGHAgEAMBMGBYqGSM49AgEGCCqGSM49AwEHBG0wawIBAQQgG27o-
IsalE1O9lkzA
ewjZ68eiirlSr0w0oR40xqK7jgyhRANCAARFrFf9Sk6S+a23cPpCRytkDz7wbBVd
SxFmbeBxu7b8F1WNzhtAML79FO55DIdoRYHL162/oD6lryJUcX+h086/
-----END PRIVATE KEY-----

CSS FILES:

```
@import url('https://fonts.googleapis.com/css2?
family=Catamaran:wght@300;400;500;700&display=swap');
@import url('https://fonts.googleapis.com/css2?family=Alef:wght@400;700&dis-
play=swap');
```

```
* {
  padding: 0;
  margin: 0;
}
```

```
body {
  background-color: #221e1f;
}
```

```
.navbar {
  font-family: 'Catamaran', sans-serif;
  background-color: #d17c19;
  color: #221e1f;
  display: flex;
  justify-content: space-evenly;
  align-items: center;
  height: 3em;
}
```

```
.navbar > ul {
  display: flex;
  justify-content: space-evenly;
}
```

```
.navbar > ul > li {
  text-decoration: none;
  list-style: none;
  padding: 3px;
  margin: 0 15px;
```

```
}
```

```
.navbar > ul > li > a {  
  text-decoration: none;  
  color: #fff;  
  font-family: 'Alef', sans-serif;  
  font-weight: 700;  
  transition: all ease-in 0.3s;  
}
```

```
.navbar > ul > p {  
  color: #fff;  
  font-family: 'Alef', sans-serif;  
  font-weight: 700;  
  font-size: 22px;  
}
```

```
.navbar > ul > li > a:hover {  
  color: #221e1f;  
  font-size: 20px;  
}
```

```
#nav-links-1 > li:last-child {  
  border: 2px solid #fff;  
  border-radius: 10px;  
  transition: all ease-in 0.3s;  
}
```

```
#nav-links-1 > li:last-child:hover {  
  border: 2px solid #fff;  
  background-color: #fff;  
  color: #221e1f;  
}
```

```
#nav-links-1 > li > a:last-child:hover {  
  color: #221e1f;  
}
```

```
.main-container {  
  padding: 0;
```



```
margin: 0;
background-color: #221e1f;
}
```

```
.box-wrapper {
  width: 1200px;
  height: 700px;
  margin: 100px auto;
  display: grid;
  border-radius: 10px;
  gap: 0px;
  grid-template-columns: 1fr 1fr;
  grid-template-areas: 'left-wrapper right-wrapper';
  box-shadow: 0 4px 40px rgb(0 0 0 /25%);
}
```

```
.img-wrapper {
  width: 100%;
}
```

```
.lef-wrapper {
  text-align: center;
  color: #595959;
  background-position: center 170px;
  background-repeat: no-repeat;
  background-size: 569px;

  background-image: url("arrow.png");
  width: 600px;
  height: auto;
  background-color: #dae0e9;
  font-size: 18px;
  border-radius: 10px 0px 0px 10px;
}
```

```
.upper-content {
  height: 350px;
}
```

```
.lower-content {
```

```
    font-size: 16px;
}
```

```
.lower-content > p > b > a {
    text-decoration: none;
    text-underline: none;
    color: #595959;
}
```

```
.title {
    margin-top: 120px;
}
```

```
.welcome-text {
    font-size: 20px;
    margin-top: 20px;
}
```

```
.right-wrapper {
    background-color: #d17c19;
    border-radius: 0 10px 10px 0;
}
```

```
.right-box {
    width: 600px;
    background-color: white;
}
```

```
.main-form {
    width: 350px;
    margin: 47px auto 0;
}
```

```
.main-form > form > input {
    width: 100%;
    padding: 10px;
    /*padding-top: 10px;*/
    /*padding-bottom: 10px;*/
}
```

```
background-color: #ffffff;
border-radius: 5px;
border: 3px solid #221e1f;
font-size: 14px;
}

.main-form > form > label {
  line-height: 2.7em;
  font-family: 'Catamaran', sans-serif;
  color: #221e1f;
  font-size: 16px;
  font-weight: 600;
}
```

```
#sign-in-btn {
  margin-top: 20px;
  width: 370px;
  padding-top: 10px;
  padding-bottom: 10px;
  color: #fff;
  background-color: #221e1f;
  border: none;
  font-size: 16px;
}
```

Main.CSS

```
@import url('https://fonts.googleapis.com/css2?
family=Catamaran:wght@300;400;500;700&display=swap');
@import url('https://fonts.googleapis.com/css2?family=Alef:wght@400;700&dis-
play=swap');
```

```
* {
  padding: 0;
  margin: 0;
}
```

```
body{
  background-color: #221e1f;
}
```

```
.navbar {  
  font-family: 'Catamaran', sans-serif;  
  background-color: #d17c19;  
  color: #221e1f;  
  display: flex;  
  justify-content: space-evenly;  
  align-items: center;  
}
```

```
.navbar > ul {  
  display: flex;  
  justify-content: space-evenly;  
}
```

```
.navbar > ul > li {  
  text-decoration: none;  
  list-style: none;  
  padding: 3px;  
  margin: 0 15px;  
}
```

```
.navbar > ul > li > a {  
  text-decoration: none;  
  color: #fff;  
  font-family: 'Alef', sans-serif;  
  font-weight: 700;  
  transition: all ease-in 0.3s;  
}
```

```
.navbar > ul > p {  
  color: #fff;  
  font-family: 'Alef', sans-serif;  
  font-weight: 700;  
  font-size: 22px;  
}
```

```
.navbar > ul > li > a:hover {  
  color: #221e1f;  
  font-size: 20px;  
}
```

```
#nav-links-1 > li:last-child{
  border: 2px solid #fff;
  border-radius: 10px;
  transition: all ease-in 0.3s;
}
```

```
#nav-links-1 > li:last-child:hover{
  border: 2px solid #fff;
  background-color: #fff;
  color: #221e1f;
}
```

```
#nav-links-1 > li > a:last-child:hover{
  color: #221e1f;
}
```

```
.section1{
  background-color: #221e1f;
}
```

```
.intro-wrapper{
  width: 1200px;
  height: 450px;
  margin: 0 auto;
  padding-top: 50px;
  display: grid;
  grid-template-columns: 1fr 1fr;
  grid-template-areas:
    'logo intro';
}
```

```
.img-logo{
  display: block;
  margin: 0 auto;
  width: 400px;
  object-fit: cover;
}
```

```
.intro{
```

```
    align-items: center;
    margin-top: 100px;
}
```

```
.intro > h1{
    font-family: 'Catamaran', sans-serif;
    color: #fff;
    font-size: 32px;
}
```

```
.intro > p{
    margin-top: 25px;
    color: #fff;
    font-family: 'Alef', sans-serif;
    font-weight: 400;
    font-size: 22px;
}
```

```
.about-wrapper{
    width: 1200px;
    margin: 0 auto;
    display: grid;
    gap: 100px;
    grid-template-columns: 1fr 1fr;
    grid-template-areas:
        'left-box right-box';
}
```

```
.left-box > h1{
    font-family: 'Catamaran', sans-serif;
    color: #fff;
    font-size: 32px;
}
```

```
.left-box > hr{
    width: 300px;
    margin-bottom: 25px;
}
```

```
.left-box > p{
```

```
color: #fff;
font-family: 'Alef', sans-serif;
font-weight: 400;
font-size: 18px;
}
```

```
.left-box > p > a{
  text-decoration: none;
  color: #d17c19;
  font-family: 'Alef', sans-serif;
  font-weight: 400;
  font-size: 18px;
}
```

```
.right-box > h2{
  font-family: 'Catamaran', sans-serif;
  color: #d17c19;
  font-size: 28px;
}
```

```
.right-box > img{
  display: block;
  margin: 0 auto;
  width: 600px;
  object-fit: cover;
}
```

```
#contact-form {
  display: block;
  max-width: 600px;
  /*margin: 0 auto;*/
  border-radius: 5px;
  background-color: #221e1f;
  margin-bottom: 50px;
}
```

```
.input-field{
  width: 100%;
  padding-top: 10px;
```

```
padding-bottom:10px;
background-color:#ffffff;
border-radius: 5px;
border:1px solid #d17c19;
font-size: 14px;
}
```

```
.contact-wrapper{
  width: 1200px;
  height: 450px;
  margin: 0 auto;
  padding-top: 50px;
  display: grid;
  gap: 100px;
  grid-template-columns: 1fr 1fr;
  grid-template-areas:
    'contact-left contact-right';
}
```

```
.contact-left{
  padding-top: 100px;
  text-align: center;
  font-family: 'Catamaran', sans-serif;
  color: #fff;
  font-size: 32px;
}
```

```
.contact-right{
  padding-top: 25px;
}
```

```
#contact-form label{
  line-height: 2.7em;
  font-family: 'Catamaran', sans-serif;
  color: #fff;
  font-size: 18px;
}
```

```
#contact-form textarea{
  min-height: 100px;
```



```

        font-size: 18px;
    }

#submit-btn {
    margin-top: 10px;
    width: 100%;
    padding-top: 10px;
    padding-bottom: 10px;
    color: #fff;
    background-color:#d17c19;
    border: none;
}

```

Super Admin
import warnings

from django.core import management

try:

```

    from django.utils.deprecation import RemovedInDjango40Warning
except ImportError:
    raise ImportError(
        'django-admin.py was deprecated in Django 3.1 and removed in Django '
        '4.0. Please manually remove this script from your virtual environment '
        'and use django-admin instead.'
    )

```

if __name__ == "__main__":

```

    warnings.warn(
        'django-admin.py is deprecated in favor of django-admin.',
        RemovedInDjango40Warning,
    )
    management.execute_from_command_line()

```

Logger File

@echo off

rem This file is UTF-8 encoded, so we need to update the current code page while executing it

```
for /f "tokens=2 delims=:." %%a in ("%SystemRoot%\System32\chcp.com") do (
    set _OLD_CODEPAGE=%%a
)
if defined _OLD_CODEPAGE (
    "%SystemRoot%\System32\chcp.com" 65001 > nul
)
```

```
set VIRTUAL_ENV=C:\Users\prafu\projects\projectA\venv
```

```
if not defined PROMPT set PROMPT=$P$G
```

```
if defined _OLD_VIRTUAL_PROMPT set PROMPT=%_OLD_VIRTUAL_PROMPT%
```

```
if defined _OLD_VIRTUAL_PYTHONHOME set PYTHONHOME=%_OLD_VIRTUAL_PYTHONHOME%
```

```
set _OLD_VIRTUAL_PROMPT=%PROMPT%
```

```
set PROMPT=(venv) %PROMPT%
```

```
if defined PYTHONHOME set _OLD_VIRTUAL_PYTHONHOME=%PYTHONHOME%
```

```
set PYTHONHOME=
```

```
if defined _OLD_VIRTUAL_PATH set PATH=%_OLD_VIRTUAL_PATH%
```

```
if not defined _OLD_VIRTUAL_PATH set _OLD_VIRTUAL_PATH=%PATH%
```

```
set PATH=%VIRTUAL_ENV%\Scripts;%PATH%
```

```
:END
```

```
if defined _OLD_CODEPAGE (
    "%SystemRoot%\System32\chcp.com" %_OLD_CODEPAGE% > nul
    set _OLD_CODEPAGE=
)
```

```
Deactivate file
```

```
deactivate () {
    # reset old environment variables
    if [ -n "${_OLD_VIRTUAL_PATH:-}" ] ; then
        PATH="${_OLD_VIRTUAL_PATH:-}"
```

```

export PATH
unset _OLD_VIRTUAL_PATH
fi
if [ -n "${_OLD_VIRTUAL_PYTHONHOME:-}" ] ; then
    PYTHONHOME="${_OLD_VIRTUAL_PYTHONHOME:-}"
    export PYTHONHOME
    unset _OLD_VIRTUAL_PYTHONHOME
fi

# This should detect bash and zsh, which have a hash command that must
# be called to get it to forget past commands. Without forgetting
# past commands the $PATH changes we made may not be respected
if [ -n "${BASH:-}" -o -n "${ZSH_VERSION:-}" ] ; then
    hash -r
fi

if [ -n "${_OLD_VIRTUAL_PS1:-}" ] ; then
    PS1="${_OLD_VIRTUAL_PS1:-}"
    export PS1
    unset _OLD_VIRTUAL_PS1
fi

unset VIRTUAL_ENV
if [ ! "${1:-}" = "nondestructive" ] ; then
    # Self destruct!
    unset -f deactivate
fi
}

# unset irrelevant variables
deactivate nondestructive

VIRTUAL_ENV="C:\Users\prafu\projects\projectA\venv"
export VIRTUAL_ENV

_OLD_VIRTUAL_PATH="$PATH"
PATH="$VIRTUAL_ENV/Scripts:$PATH"
export PATH

# unset PYTHONHOME if set

```

```

# this will fail if PYTHONHOME is set to the empty string (which is bad anyway)
# could use `if (set -u; : $PYTHONHOME) ;` in bash
if [ -n "${PYTHONHOME:-}" ] ; then
    _OLD_VIRTUAL_PYTHONHOME="${PYTHONHOME:-}"
    unset PYTHONHOME
fi

if [ -z "${VIRTUAL_ENV_DISABLE_PROMPT:-}" ] ; then
    _OLD_VIRTUAL_PS1="${PS1:-}"
    if [ "x(venv) " != x ] ; then
        PS1="(venv) ${PS1:-}"
    else
        if [ "`basename \"$VIRTUAL_ENV\"`" = "__" ] ; then
            # special case for Aspen magic directories
            # see http://www.zetadev.com/software/aspen/
            PS1="`basename `dirname \"$VIRTUAL_ENV\"``" $PS1"
        else
            PS1="(`basename \"$VIRTUAL_ENV\"`) $PS1"
        fi
    fi
    export PS1
fi

```

Base files:

```
from base.models import Contact
```

```

def home(request):
    error = ""
    if request.method == 'POST':
        name = request.POST['name']
        subject = request.POST['subject']
        email = request.POST['email']
        message = request.POST['message']

        try:
            Contact.objects.create(name=name, subject=subject, email=email,
message=message)

```

```

        error = 'no'
    except:
        error = 'yes'
    x = {'error': error}
    return render(request, 'base/main.html', x)

```

```
class Migration(migrations.Migration):
```

```
    initial = True
```

```
    dependencies = [
    ]
```

```

    operations = [
        migrations.CreateModel(
            name='Contact',
            fields=[
                ('id', models.BigAutoField(auto_created=True, primary_key=True, serial-
ize=False, verbose_name='ID')),
                ('name', models.CharField(max_length=20)),
                ('date', models.DateTimeField(auto_now_add=True,
verbose_name='date_created')),
                ('subject', models.CharField(max_length=150)),
                ('email', models.EmailField(max_length=60, unique=True,
verbose_name='email')),
                ('message', models.TextField(max_length=500)),
            ],
        ),
    ]

```

Peer files YAML

```

port: 7054
debug: false
tls:
    enabled: true
    certfile: /ca/tls/cert.pem
    keyfile: /ca/tls/key.pem

```

clientauth:
 type: noclientcert
 certfiles:

ca:
 name: police-org
 keyfile: ./ca/key.pem
 certfile: ./ca/cert.pem
 chainfile: ./ca/cert.pem

registry:
 maxenrollments: -1
 identities:
 - name: admin
 pass: adminpw
 type: client
 affiliation: ""
 maxenrollments: -1
 attrs:
 hf.Registrar.Roles: "client,user,peer,validator,auditor"
 hf.Registrar.DelegateRoles: "client,user,validator,auditor"
 hf.Revoker: true
 hf.IntermediateCA: true

db:
 type: sqlite3
 datasource: fabric-ca-server.db
 tls:
 enabled: false

ldap:
 enabled: false

signing:
 default:
 usage:
 - cert sign
 expiry: 8760h
 profiles:
 ca:

usage:
- cert sign
expiry: 43800h
caconstraint:
 isca: true
 maxpathlen: 0

csr:
 cn: fabric-ca-server
 names:
 - C: DE
 ST: "Baden-Wuerttemberg"
 hosts:
 - police-ca
 - localhost
 ca:
 expiry: 131400h
 pathlength: 10

bccsp:
 default: SW
 sw:
 hash: SHA2
 security: 256
 filekeystore:
 keystore: msp/keystore

cacount:

cafiles:

intermediate:
 parentserver:
 url:
 caname:

enrollment:
 hosts:
 profile:
 label:

tls:

certfiles:

client:

certfile:

keyfile:

Screenshots

```
~/Desktop/server1/fabric-scripts/hlfv1 -- zsh
ARCH-SARCH docker-compose -f "$(DIR)"/composer/docker-compose.yml down
Stopping peer0.org1.example.com ... done
Stopping orderer.example.com ... done
Stopping ca.org1.example.com ... done
Stopping couchdb ... done
Removing peer0.org1.example.com ... done
Removing orderer.example.com ... done
Removing ca.org1.example.com ... done
Removing couchdb ... done
Removing network composer_default
ARCH-SARCH docker-compose -f "$(DIR)"/composer/docker-compose.yml up -d
Creating network "composer_default" with the default driver
Creating orderer.example.com ... done
Creating couchdb ... done
Creating ca.org1.example.com ... done
Creating peer0.org1.example.com ... done

# wait for Hyperledger Fabric to start
# incase of errors when running later commands, issue export FABRIC_START_TIMEOUT=<larger number>
echo ${FABRIC_START_TIMEOUT}

sleep ${FABRIC_START_TIMEOUT}
usage: sleep seconds
[utkarshrastogi@Utkarshs-MacBook-Air hlfv1 % ./createPeerAdminCard.sh

v0.20.9 is not supported for this level of fabric. Please use version 0.16
[utkarshrastogi@Utkarshs-MacBook-Air hlfv1 % ./createPeerAdminCard.sh

Using composer-cli at v0.16.6
Error: Failed to load connector module "composer-connector-undefined" for connection type "undefined". Cannot find module 'composer-connector-undefined'-Cannot find module 'composer-connector-undefined'
-Cannot find module 'composer-connector-undefined'-Cannot find module 'composer-connector-undefined'-Cannot find module 'composer-connector-undefined'-C
annot find module 'composer-connector-undefined'-Cannot find module 'composer-connector-undefined'-Cannot find module 'composer-connector-undefined'-Cannot find module 'composer-connector-undefined'-Can
not find module 'composer-connector-undefined'
Command failed

Successfully created business network card file to
Output file: /tmp/PeerAdmin@hlfv1.card

Command succeeded

Error: Card already exists: PeerAdmin@hlfv1
Command failed

Hyperledger Composer PeerAdmin card has been imported
The following Business Network Cards are available:

Connection Profile: hlfv1


| Card Name       | UserId    | Business Network |
|-----------------|-----------|------------------|
| PeerAdmin@hlfv1 | PeerAdmin |                  |



Issue composer card list --name <Card Name> to get details a specific card

Command succeeded

[utkarshrastogi@Utkarshs-MacBook-Air hlfv1 % chmod 755 fabricUtil.sh
[utkarshrastogi@Utkarshs-MacBook-Air hlfv1 % ]
```

```
[utkarshrastogi@Utkarshs-MacBook-Air ~ % cd Desktop/server1
[utkarshrastogi@Utkarshs-MacBook-Air server1 % curl -O https://raw.githubusercontent.com/hyperledger/composer-tools/master/packages/fabric-dev-servers/fabric-dev-servers.zip
% Total % Received % Xferd Average Speed Time Time Current
100 207k 100 207k 0 0 311k 0 --:--:-- --:--:-- --:--:-- 310k
[utkarshrastogi@Utkarshs-MacBook-Air server1 % unzip fabric-dev-servers.zip
Archive: fabric-dev-servers.zip
inflating: package.json
inflating: _loader.sh
inflating: createComposerProfile.sh
inflating: createPeerAdminCard.sh
inflating: downloadFabric.sh
inflating: startFabric.sh
inflating: stopFabric.sh
inflating: teardownAllDocker.sh
inflating: teardownFabric.sh
creating: fabric-scripts/hlfv1/
creating: fabric-scripts/hlfv1/
creating: fabric-scripts/hlfv1/composer/
inflating: fabric-scripts/hlfv1/createComposerProfile.sh
inflating: fabric-scripts/hlfv1/createPeerAdminCard.sh
inflating: fabric-scripts/hlfv1/downloadFabric.sh
inflating: fabric-scripts/hlfv1/startFabric.sh
inflating: fabric-scripts/hlfv1/stopFabric.sh
inflating: fabric-scripts/hlfv1/teardownFabric.sh
creating: fabric-scripts/hlfv1/composer/
inflating: fabric-scripts/hlfv1/createComposerProfile.sh
inflating: fabric-scripts/hlfv1/createPeerAdminCard.sh
inflating: fabric-scripts/hlfv1/downloadFabric.sh
inflating: fabric-scripts/hlfv1/startFabric.sh
inflating: fabric-scripts/hlfv1/stopFabric.sh
inflating: fabric-scripts/hlfv1/teardownFabric.sh
creating: fabric-scripts/hlfv2/composer/
inflating: fabric-scripts/hlfv2/createComposerProfile.sh
inflating: fabric-scripts/hlfv2/downloadFabric.sh
inflating: fabric-scripts/hlfv2/startFabric.sh
inflating: fabric-scripts/hlfv2/stopFabric.sh
inflating: fabric-scripts/hlfv2/teardownFabric.sh
inflating: fabric-scripts/hlfv1/composer/composer-channel.tx
inflating: fabric-scripts/hlfv1/composer/composer-gensis.block
inflating: fabric-scripts/hlfv1/composer/configtx.yaml
creating: fabric-scripts/hlfv1/composer/creds/
creating: fabric-scripts/hlfv1/composer/crypto-config/
inflating: fabric-scripts/hlfv1/composer/crypto-config.yaml
inflating: fabric-scripts/hlfv1/composer/docker-compose.yml
inflating: fabric-scripts/hlfv1/composer/howtobuild.txt
inflating: fabric-scripts/hlfv1/composer/composer-channel.tx
inflating: fabric-scripts/hlfv1/composer/composer-gensis.block
inflating: fabric-scripts/hlfv1/composer/configtx.yaml
creating: fabric-scripts/hlfv1/composer/crypto-config/
inflating: fabric-scripts/hlfv1/composer/crypto-config.yaml
inflating: fabric-scripts/hlfv1/composer/docker-compose-dev.yml
inflating: fabric-scripts/hlfv1/composer/docker-compose.yml
inflating: fabric-scripts/hlfv1/composer/howtobuild.txt
inflating: fabric-scripts/hlfv2/composer/composer-channel.tx
inflating: fabric-scripts/hlfv2/composer/composer-gensis.block
inflating: fabric-scripts/hlfv2/composer/configtx.yaml
creating: fabric-scripts/hlfv2/composer/crypto-config/
inflating: fabric-scripts/hlfv2/composer/crypto-config.yaml
inflating: fabric-scripts/hlfv2/composer/docker-compose-dev.yml
inflating: fabric-scripts/hlfv2/composer/docker-compose.yml
```

```

| | +- engine.io-parser@2.1.3
| | | +- after@0.8.2
| | | +- arraybuffer.slice@0.0.7
| | | | '-- blob@0.0.5
| | +- uws@9.14.0
| | | '-- ws@3.3.3
| | | +- async-limiter@1.0.1
| | | | '-- ultron@1.1.1
| +- socket.io-adapter@1.1.2
| +- socket.io-client@2.0.4
| | +- backo2@1.0.2
| | +- base64-arraybuffer@0.1.5
| | +- component-bind@1.0.0
| | +- component-emitter@1.2.1
| | +- engine.io-client@3.1.6
| | | +- component-emitter@1.2.1
| | | +- component-inherit@0.0.3
| | | +- debug@3.1.0
| | | +- xmlhttprequest-ssl@1.5.5
| | | | '-- yeast@0.1.2
| | +- has-cors@1.1.0
| | +- indexof@0.0.1
| | +- object-component@0.0.3
| | +- parseqs@0.0.5
| | | | '-- better-assert@1.0.2
| | | +- parseuri@0.0.5
| | | | '-- to-array@0.1.4
| | | +- socket.io-parser@3.1.3
| | | | +- component-emitter@1.2.1
| | | | +- debug@3.1.0
| | | | +- has-binary2@1.0.3
| | | | | '-- isarray@2.0.1
| | | | | '-- isarray@2.0.1
| | +- style-loader@0.18.2
| +- url-loader@0.5.9
| | '-- mime@1.3.4
+- uuid@3.1.0
+- webpack@3.6.0
| +- acorn@5.7.4
| +- acorn-dynamic-import@2.0.2
| | '-- acorn@4.0.13
| +- ajv-keywords@2.1.1
| +- async@2.6.3
| +- enhanced-resolve@3.4.1
| +- escape@3.6.0
| | +- es6-map@0.1.5
| | | +- d@1.0.1
| | | | '-- type@1.2.0
| | | +- es5-ext@0.10.53
| | | | '-- next-tick@1.0.0
| | | +- es6-iterator@2.0.3
| | | +- es6-set@0.1.5
| | | | '-- es6-symbol@3.1.1
| | | +- es6-symbol@3.1.3
| | | | '-- ext@1.4.0
| | | | | '-- type@2.5.0
| | | | '-- event-emitter@0.3.5
| | | +- es6-weak-map@2.0.3
| +- interpret@1.4.0
| +- json-loader@0.5.7
| +- loader-runner@2.4.0
| +- memory-fs@0.4.1
| | '-- errno@0.1.8

```

```
Warning: curl 7.75.0 is already installed and up-to-date.
To reinstall 7.75.0, run:
  brew reinstall curl
utkarshrastogi@Utkarshs-MacBook-Air ~ %
utkarshrastogi@Utkarshs-MacBook-Air ~ % cd Desktop
utkarshrastogi@Utkarshs-MacBook-Air Desktop % cd server1
utkarshrastogi@Utkarshs-MacBook-Air server1 % cd ..
utkarshrastogi@Utkarshs-MacBook-Air Desktop % cd ..
utkarshrastogi@Utkarshs-MacBook-Air ~ % npm install -g composer-playground@0.20
npm WARN deprecated composer-playground@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-wallet-inmemory@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-common@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-playground-api@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated axios@0.17.1: Critical security vulnerability fixed in v0.21.1. For more information, see https://github.com/axios/axios/pull/3410
npm WARN deprecated mkdirp@0.5.1: Legacy versions of mkdirp are no longer supported. Please update to mkdirp 1.x. (Note that the API surface has changed to use Promises in 1.x.)
npm WARN deprecated core-js@2.3.0: core-js@2 is no longer maintained and not recommended for usage due to the number of issues. Please, upgrade your dependencies to the actual version of core-js@3.
npm WARN deprecated request@2.81.0: request has been deprecated, see https://github.com/request/request/issues/3142
npm WARN deprecated composer-connector-server@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-connector-hlfv1@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-connector-embedded@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-runtime@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated composer-runtime-embedded@0.20.9: Hyperledger Composer has been deprecated. Please see the README for more details: https://github.com/hyperledger/composer/blob/master/README.md
npm WARN deprecated request-promise-any@1.0.5: request-promise-any has been deprecated because it extends the now deprecated request package, see https://github.com/request/request/issues/3142
npm WARN deprecated hawk@3.1.3: This module moved to @hapi/hawk. Please make sure to switch over as this distribution is no longer supported and may contain bugs and critical security issues.
npm WARN notice [SECURITY] hawk has the following vulnerability: 1 moderate. Go here for more details: https://www.npmjs.com/advisories?search=hawk&version=2.16.3 - Run 'npm i npm@latest -g' to upgrade your npm version, and then 'npm audit' to get more info.
npm WARN notice [SECURITY] cryptiles has the following vulnerability: 1 high. Go here for more details: https://www.npmjs.com/advisories?search=cryptiles&version=2.0.5 - Run 'npm i npm@latest -g' to upgrade your npm version, and then 'npm audit' to get more info.
npm WARN deprecated hawk@2.16.3: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated cryptiles@2.0.5: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated sntp@1.0.9: This module moved to @hapi/sntp. Please make sure to switch over as this distribution is no longer supported and may contain bugs and critical security issues.
npm WARN deprecated boom@2.10.1: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated core-js@2.6.12: core-js@2 is no longer maintained and not recommended for usage due to the number of issues. Please, upgrade your dependencies to the actual version of core-js@3.
npm WARN deprecated jsSHA@2.4.2: jsSHA versions < 3.0.0 will no longer receive feature updates
npm WARN deprecated hawk@4.2.1: This module has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
npm WARN deprecated har-validator@5.1.5: this library is no longer supported
npm WARN notice [SECURITY] ws has the following vulnerability: 1 high. Go here for more details: https://www.npmjs.com/advisories?search=ws&version=1.1.2 - Run 'npm i npm@latest -g' to upgrade your npm version, and then 'npm audit' to get more info.
npm WARN deprecated json@3.0.2: Please use the native JSON object instead of JSON 3
npm WARN notice [SECURITY] fresh has the following vulnerability: 1 high. Go here for more details: https://www.npmjs.com/advisories?search=fresh&version=0.5.0 - Run 'npm i npm@latest -g' to upgrade your npm version, and then 'npm audit' to get more info.
npm WARN notice [SECURITY] mime has the following vulnerability: 1 moderate. Go here for more details: https://www.npmjs.com/advisories?search=mime&version=1.3.4 - Run 'npm i npm@latest -g' to upgrade your npm version, and then 'npm audit' to get more info.
npm WARN notice [SECURITY] srii has the following vulnerability: 1 moderate. Go here for more details: https://www.npmjs.com/advisories?search=srii&version=4.1.6 - Run 'npm i npm@latest -g' to upgrade your npm version, and then 'npm audit' to get more info.
/Users/utkarshrastogi/.npm/versions/node/v8.9.0/bin/composer-playground -> /Users/utkarshrastogi/.npm/versions/node/v8.9.0/lib/node_modules/composer-playground/cli.js

> dtrace-provider@0.8.8 install /Users/utkarshrastogi/.npm/versions/node/v8.9.0/lib/node_modules/composer-playground/node_modules/dtrace-provider
> node-gyp rebuild || node suppress-error.js

gyp WARN download NVM_NODEJS_ORG_MIRROR is deprecated and will be removed in node-gyp v4, please use NODEJS_ORG_MIRROR
gyp WARN download NVM_NODEJS_ORG_MIRROR is deprecated and will be removed in node-gyp v4, please use NODEJS_ORG_MIRROR
gyp WARN download NVM_NODEJS_ORG_MIRROR is deprecated and will be removed in node-gyp v4, please use NODEJS_ORG_MIRROR
ACTION binding_gyp_ndtp_target_build_ndtp .
```

```
composer generator <subcommand> Composer generator command to convert a Business Network Definition to code
composer identity <subcommand> Composer identity command
composer network <subcommand> Composer network command
composer participant <subcommand> Composer participant command
composer report Command for creating a report of the current Composer environment
composer transaction <subcommand> Composer transaction command

Options:
  --help          Show help [boolean]
  --v, --version  Show version number [boolean]

Examples:
  composer archive create           Create an archive of the current Business Network Definition
  composer identity issue           Create a new identity issue
  composer network install         Install a Business Network Definition
  composer participant add         Add a participant to the Business Network
  composer transaction submit      Submit a transaction to the Business Network

For more information on Hyperledger Composer: https://hyperledger.github.io/composer/

utkarshrastogi@Utkarshs-MacBook-Air dist % composer archive create --help
composer archive create --updateExternalModels --optionsFile myoptions.json --archiveFile digitalPropertyNetwork.zip --sourceType dir --sourceName ./digitalProperty-network

Options:
  --help          Show help [boolean]
  --v, --version  Show version number [boolean]
  --archiveFile, -a Business network archive file name. Default is based on the Identifier of the BusinessNetwork [string]
  --sourceType, -t The type of the input containing the files used to create the archive [required] [choices: "module", "dir"]
  --sourceName, -n The location to create the archive from e.g. NPM module directory or Name of the npm module to use [required]
  --updateExternalModels, -u Downloads external model dependencies [boolean] [default: false]
  --optionsFile, -o A file containing options [string]

utkarshrastogi@Utkarshs-MacBook-Air dist % composer archive create -t dir -n ../Creating Business Network Archive

Looking for package.json of Business Network Definition
Input directory: ../

Found:
  Description: this is a test project
  Name: test-bna
  Identifier: test-bna@0.0.1

Written Business Network Definition Archive file to
Output file: test-bna@0.0.1.bna

Command succeeded

utkarshrastogi@Utkarshs-MacBook-Air dist %
```

```
# if case of errors when running later commands, issue export FABRIC_START_TIMEOUT=<larger number>
echo ${FABRIC_START_TIMEOUT}

sleep ${FABRIC_START_TIMEOUT}
usage: sleep seconds
utkarshrastogi@Utkarshs-MacBook-Air hlfv1 % ./createPeerAdminCard.sh

v0.20.9 is not supported for this level of fabric. Please use version 0.16
utkarshrastogi@Utkarshs-MacBook-Air hlfv1 % cd ..
utkarshrastogi@Utkarshs-MacBook-Air fabric-scripts % cd hlfv12
utkarshrastogi@Utkarshs-MacBook-Air hlfv12 % ./startFabric.sh
Stopping peer0.org1.example.com ... done
Stopping orderer.example.com ... done
Stopping couchdb ... done
Removing peer0.org1.example.com ... done
Removing orderer.example.com ... done
Removing ca.org1.example.com ... done
Removing couchdb ... done
Removing network composer_default
Creating network "composer_default" with the default driver
Creating ca.org1.example.com ... done
Creating couchdb ... done
Creating orderer.example.com ... done
Creating peer0.org1.example.com ... done
sleeping for seconds to wait for fabric to complete start up
usage: sleep seconds
utkarshrastogi@Utkarshs-MacBook-Air hlfv12 % ./createPeerAdminCard.sh

Using composer-cli at v0.20.9

Successfully created business network card file to
Output file: /tmp/PeerAdmin@hlfv1.card

Command succeeded

Deleted Business Network Card: PeerAdmin@hlfv1

Command succeeded

Successfully imported business network card
Card file: /tmp/PeerAdmin@hlfv1.card
Card name: PeerAdmin@hlfv1

Command succeeded

The following Business Network Cards are available:

Connection Profile: hlfv1



| Card Name       | UserId    | Business Network |
|-----------------|-----------|------------------|
| PeerAdmin@hlfv1 | PeerAdmin |                  |



Issue composer card list --card <Card Name> to get details a specific card

Command succeeded

Hyperledger Composer PeerAdmin card has been imported, host of fabric specified as 'localhost'
utkarshrastogi@Utkarshs-MacBook-Air hlfv12 %
```

```

--> 5b8e70945a40
Step 3/5 : COPY fabric-ca-server-config.yaml /ca
--> d0c2f647e87c
Step 4/5 : COPY tls /ca/tls
--> 33d29987cd46
Step 5/5 : COPY ca /ca/ca
--> c3cb85d6fa23
Successfully built c3cb85d6fa23
Successfully tagged insurance-ca:latest
Sending build context to Docker daemon 10.24kB
Step 1/5 : FROM docker.io/hyperledger/fabric-ca:x86_64-1.0.2
--> 7e53be14f804
Step 2/5 : RUN mkdir /ca
--> Using cache
--> 5b8e70945a40
Step 3/5 : COPY fabric-ca-server-config.yaml /ca
--> 2f32b5a48ff
Step 4/5 : COPY tls /ca/tls
--> 175c8cfc6ae9
Step 5/5 : COPY ca /ca/ca
--> 0b36b68a01e3
Successfully built 0b36b68a01e3
Successfully tagged shop-ca:latest
Sending build context to Docker daemon 10.24kB
Step 1/5 : FROM docker.io/hyperledger/fabric-ca:x86_64-1.0.2
--> 7e53be14f804
Step 2/5 : RUN mkdir /ca
--> Using cache
--> 5b8e70945a40
Step 3/5 : COPY fabric-ca-server-config.yaml /ca
--> abacde9185e0
Step 4/5 : COPY tls /ca/tls
--> cae30997c02
Step 5/5 : COPY ca /ca/ca
--> cebcdda96da2
Successfully built cebcdda96da2
Successfully tagged shop-ca:latest
Sending build context to Docker daemon 10.24kB
Step 1/5 : FROM docker.io/hyperledger/fabric-ca:x86_64-1.0.2
--> 7e53be14f804
Step 2/5 : RUN mkdir /ca
--> Using cache
--> 5b8e70945a40
Step 3/5 : COPY fabric-ca-server-config.yaml /ca
--> b0ce0e2710d9
Step 4/5 : COPY tls /ca/tls
--> d95a4387471d
Step 5/5 : COPY ca /ca/ca
--> 7b5c37a13e9b
Successfully built 7b5c37a13e9b
Successfully tagged repairshop-ca:latest
Creating network "hyperledger-fabric-insurance-application_default" with the default driver
Creating orderer0 ... done
Creating police-ca ... done
Creating insurance-ca ... done
Creating shop-ca ... done
Creating repairshop-ca ... done
Creating insurance-peer ... done
Creating shop-peer ... done
Creating repairshop-peer ... done
Creating police-peer ... done
Creating web ... done
utkarshrastogi@Utkarshs-MacBook-Air Hyperledger-Fabric-Insurance-Application %

```







