

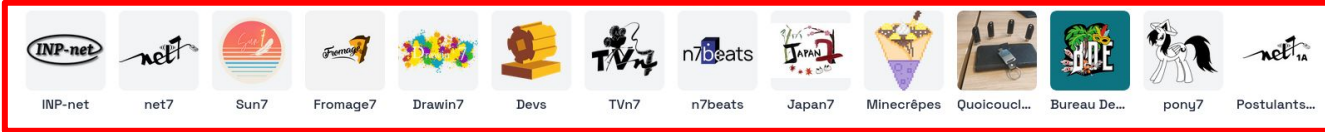
Formation web

Partie 5: *SvelteKit & GraphQL*

SvelteKit

Passer d'une appli simple
à une appli multi-pages

Mon feed



Anniversaires

1As 2As 3As Tous Autres jours

- Ludovic Stucki (Ludo) SN - 21 ans
- Enzo Lagleyze 3EA - 21 ans
- Louis Houyau Pedascoll SN - 27 ans
- Elliott Rousset (Elliott R) SN - 21 ans

N7 RACING TEAM Présentation du projet
Mercredi 4/10 à 13h en C002

Venez découvrir N7RT en direct et assister aux deux parties de l'équipe

Présentation N7RT - 4/10 à 13H en C002
Salut à tous! [VOIR PLUS](#)

N7 Racing Team
Bastien Richel hier

Soirée All'INP
Les places pour la soirée du All'INP sont disponibles. Après avoir découvert la [VOIR PLUS](#)

Association des Étudiants
Marceau Meilland hier

Mon feed

Grid of profile avatars: INP-net, net7, Sun7, Fromage7, Drawin7, Devs, TVn7, n7beats, Japan7, Minecrêpes, Quoicoucl..., Bureau De..., pony7, Postulants...

Anniversaires

1As 2As 3As Tous Autres jours

- Ludovic Stucki (Ludo) SN - 21 ans
- Enzo Lagleyze 3EA - 21 ans
- Louis Houyau Pedascoll SN - 27 ans
- Elliott Rousset (Elliott R) SN - 21 ans

N7 RACING TEAM Présentation du projet
Mercredi 4/10 à 13h En C002

Venez découvrir N7RT en direct et assister aux tests privés de l'équipe 14.06

Présentation N7RT - 4/10 à 13H en C002
Salut à tous! [VOIR PLUS](#)

N7 Racing Team Bastien Richel hier

Solrée All'INP

Les places pour la soirée du All'INP sont disponibles. Après avoir découvert la [VOIR PLUS](#)

Association des Étudiants Marceau Meilland hier



page = un composant

Organisation du code

En SvelteKit

L'organisation du code

En SvelteKit

src/

lib/

les composants vont là

routes/

les pages vont là

L'organisation du code

En SvelteKit

src/

lib/

les composants vont là

routes/

les pages vont là

L'organisation du code

En SvelteKit

```
src/  
  routes/  
    l'url de la page/  
      +page.svelte
```

L'organisation du code

En SvelteKit

<https://churros.inpt.fr/groups/>

```
src/  
  routes/  
    groups/  
      +page.svelte
```

L'organisation du code

En SvelteKit

<https://churros.inpt.fr/groups/net7-n7/>

```
src/routes/  
  groups/net7-n7/  
  +page.svelte
```

L'organisation du code

En SvelteKit

```
src/routes/  
  groups/net7-n7/  
    +page.svelte  
  groups/animation-n7/  
    +page.svelte  
  groups/tvn7-n7/  
    +page.svelte  
  groups/7fault-n7/  
    +page.svelte  
  groups/devs/
```

L'organisation du code

En SvelteKit

```
src/routes/  
  watch?v=BbeeuzU5Qc8  
    +page.svelte  
  watch?v=CHIj0rPYBrc  
    +page.svelte  
  watch?v=dQw4w9WgXcQ  
    +page.svelte  
  watch?v=bx99CvoyPc8  
    +page.svelte  
  watch?v=B4i_CqB_64V
```

L'organisation du code

En SvelteKit

<https://churros.inpt.fr/groups/net7-n7/>

```
src/routes/  
  groups/[uid]/  
    +page.svelte
```



Accueil



Shorts



Abonnements

Vous >



Votre chaîne



Historique



Vos vidéos



Vos films et émissi...



À regarder plus tard



Plus

Abonnements



Alan Becker



impaKTV



3Blue1Brown



5haus



7calibur



12tone



500 Million Yen in D...

Tous

Jeux vidéo

Débats

Programmation informatique

Musique

Mix

Aviation

Historie

En direct

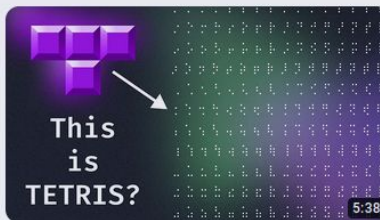
Matériels inform...



George Santos Makes History (By Getting Expelled)

LegalEagle

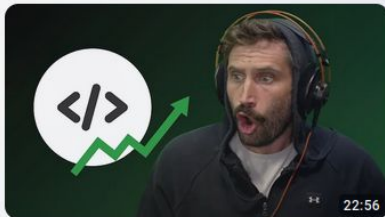
111 k vues · il y a 1 heure



I made the WORLD'S SMALLEST TETRIS...

Evan Zhou

3,1 k vues · il y a 2 jours



Being An Efficient Developer | Prime Reacts

ThePrimeTime

20 k vues · il y a 4 heures



Why the US Military Costs so Much

Wendover Productions

1,4 M de vues · il y a 3 semaines



The Hunt for America's Deadliest Hitman

fern

1,3 M de vues · il y a 1 mois



Shorts





Onset



ewen-...
243 abonnés

Données analytiques

Modifier la vidéo

👍 1



Partager















Extrait



Des layouts





Pour le squelette du site

Mon feed

-  INP-net
-  net7
-  Sun7
-  Fromage7
-  Drawin7
-  Devs
-  TVn7
-  n7beats
-  Japan7
-  Minecrêpes
-  Quoicoucl...
-  Bureau De...
-  pony7
-  Postulants...

Anniversaires

- 1As
- 2As**
- 3As
- Tous
- Autres jours

-  Ludovic Stucki (Ludo)
SN · 21 ans
-  Enzo Lagleyze
3EA · 21 ans
-  Louis Houyau Pedascoll
SN · 27 ans
-  Elliott Rousset (Elliott R)
SN · 21 ans



Présentation du projet
Mercredi 4/10 à 13h
En C002



Venez découvrir N7RT en direct et assister aux tests privés de l'équipe
14.06

Présentation N7RT - 4/10 à 13H en C002
Salut à tous! ➡ [VOIR PLUS](#)

 N7 Racing Team
Bastien Richel

hier

Solrée All'INP
Les places pour la soirée du All'INP sont disponibles. Après avoir découvert la ➡ [VOIR PLUS](#)

 Association des Étudiants
Marceau Meilland

hier

Des layouts

Pour le squelette du site

```
src/routes/  
  +layout.svelte
```

Charger les données

Dans les pages

Charger les données

Dans les pages

```
<script>  
  export let data;  
</script>
```

Charger les données

Dans les pages

```
src/routes/  
  groups/[uid]/  
    +page.svelte  
    +page.ts
```

Charger les données


Dans les pages

+page.svelte	+page.ts
<pre><script> export let data; </script></pre>	<pre>export function load() { return { ... } }</pre>

Charger les données


Dans les pages

+page.svelte	+page.ts
<pre><script> export let data; </script></pre>	<pre>export function load() { return { ... } }</pre>



Charger les données

Dans les pages

+page.svelte	+page.ts
<pre><script> export let data; </script> <h1>{data.nom}</h1></pre>	<pre>export function load() { return { nom: "net7" } }</pre> 

Charger les données

Dans les pages

<https://churros.inpt.fr/groups/net7-n7/>

groups/[uid]/+page.svelte	groups/[uid]/+page.ts
<pre><script> export let data; </script> <h1>{data.nom}</h1></pre>	<pre>export function load({ params }) { return { nom: "net7", uid: params.uid } }</pre>

Client et serveur



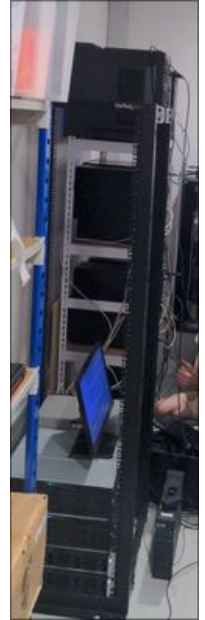


fais voir /groups/net7-n7 ?
GET /groups/net7-n7





fais voir /groups/net7-n7 ?
GET /groups/net7-n7

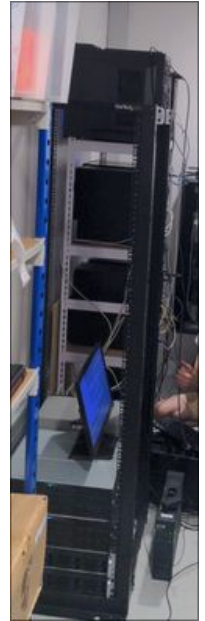




yep tiens
200 OK

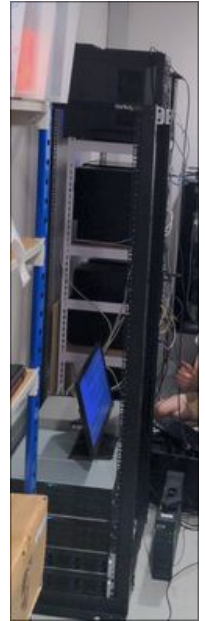


```
<html>
<head>
  <title>AEn7</title>
  <link rel="stylesheet"
href="/style.css" />
  <meta name="manifest"
value="/manifest.json" />
</head>
<body>
```





**c'est quoi la description de
net7-n7, et son nom aussi?
?????**





```
{#await fetch("?????")}  
  Chargement en cours...  
{:then { nom, description }}  
  <h1>{nom}</h1>  
  <p>{description}</p>  
{/await}
```





huh???

500 Internal Server Error

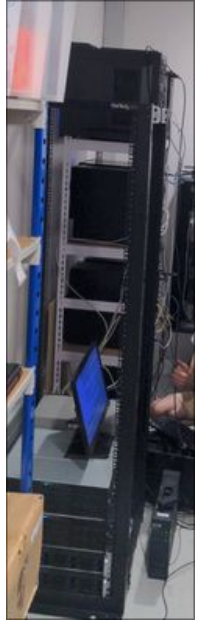




yep tiens
200 OK

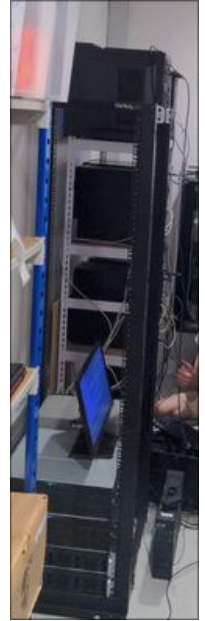


```
{  
  "nom": "net7",  
  "description": "L'association  
d'informatique de l'n7"  
}
```





fais voir loca7.fr/appartments.json
GET loca7.fr/appartments.json

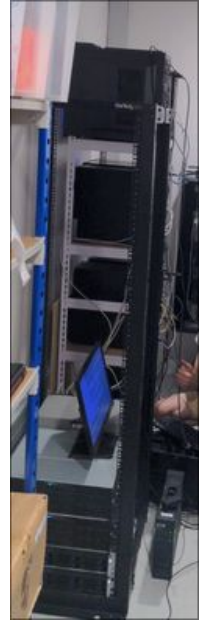




yep tiens
200 OK



```
[{"link":"https://loca7.fr/appa  
rtements/3046.json","id":"cli2t  
iidc001ud19io4r87i9l","number":  
3046,"rent":70,"charges":0,"dep  
osit":0,"surface":11,"kind":"au  
tre","roomsCount":0,"availableA  
t":"2023-07-25T00:00:00.000Z","  
createdAt":"2020-03-04T00:00:00
```



Voilà, c'est ça un API.



yep tiens
200 OK

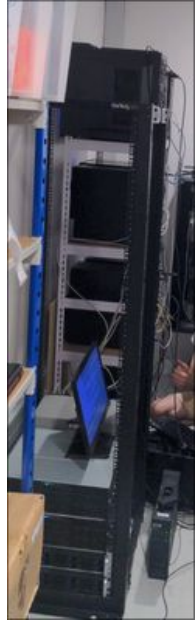


```
[{"link": "https://loca7.fr/appar-  
tements/3046.jso  
n", "id": "cli2tii  
dc001ud19io4r87i  
91", "number": 304
```



Sauf que...

C'est



qui décide, pas



NEW STUFF FOR YOU

49%

Loading...

Loaded releases by Android52
Loaded releases by Sainté
Loaded releases by Rone
Loaded releases by Johannes Heil
Loaded releases by Yppah
Loaded releases by Plini
Loaded releases by edIT
Loaded release Opposite Side
Loaded release Triforce
Loaded release Isolation EP
Loaded release MIZU
Loaded release White Magic
Loaded release Super Panda 64
Loaded release Take My Hand (Remix EP)
Loaded release Serotonin
Loaded release Shuriken
Loaded release Take My Hand
Loaded release Immortal Flame
Loaded release Antipixel
Loaded releases by Panda Eyes
Loaded releases by Barker
Loaded releases by Bloc Party
Loaded releases by CRi
Loaded releases by Applescal
Loaded releases by Kidnap
Loaded releases by Maceo Plex
Loaded release Doch Doch / Last Past
Loaded release Titelheld EP
Loaded release Soopertrack
Loaded releases by Extrawelt
Loaded releases by Howling
Loaded releases by Lena Raine
Loaded releases by alt-J
Loaded releases by Valance Drakes
Loaded releases by Tom Hodge
Loaded releases by Little People

NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52

Loaded releases by Sainté

Je veux les titres des morceaux de
chaque artiste que je follow



Loaded release Antipixel
Loaded releases by Panda Eyes
Loaded releases by Barker
Loaded releases by Bloc Party
Loaded releases by CRi
Loaded releases by Applescal
Loaded releases by Kidnap
Loaded releases by Maceo Plex
Loaded release Doch Doch / Last Past
Loaded release Titelheld EP
Loaded release Soopertrack
Loaded releases by Extrawelt
Loaded releases by Howling
Loaded releases by Lena Raine
Loaded releases by alt-J
Loaded releases by Valance Drakes
Loaded releases by Tom Hodge
Loaded releases by Little People

NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52
Loaded releases by Sainté
Loaded releases by Rone
Loaded releases by Johannes Heil
Loaded releases by Yppah
Loaded releases by Plini
Loaded releases by edIT
Loaded release Opposite Side
Loaded release Triforce
Loaded release Isolation EP

Désolé, mais je peux donner que les artistes que tu follow; ou les titres d'un artiste

Loaded release Opposite Side
Loaded release Titelheld EP
Loaded release Soopertrack
Loaded releases by Extrawelt
Loaded releases by Howling
Loaded releases by Lena Raine
Loaded releases by alt-J
Loaded releases by Valance Drakes
Loaded releases by Tom Hodge
Loaded releases by Little People



NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52

Loaded releases by Sainté

Ok bah

Donne moi les artistes que je follow



Loaded release Antipixel
Loaded releases by Panda Eyes
Loaded releases by Barker
Loaded releases by Bloc Party
Loaded releases by CRi
Loaded releases by Applescal
Loaded releases by Kidnap
Loaded releases by Maceo Plex
Loaded release Doch Doch / Last Past
Loaded release Titelheld EP
Loaded release Soopertrack
Loaded releases by Extrawelt
Loaded releases by Howling
Loaded releases by Lena Raine
Loaded releases by alt-J
Loaded releases by Valance Drakes
Loaded releases by Tom Hodge
Loaded releases by Little People

NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52
Loaded releases by Sainté
Loaded releases by Rone
Loaded releases by Johannes Heil
Loaded releases by Yppah
Loaded releases by Plini
Loaded releases by edIT
Loaded release Opposite Side
Loaded release Triforce
Loaded release Isolation EP



Tiens:

- Kyle Dixon & Michael Stein
- Adriatique
- Klangkarussell
- GHOST DATA
- Pig&Dan
- Rival Consoles
- Echo Map

Loaded releases by Nowling
Loaded releases by Lena Raine
Loaded releases by alt-J
Loaded releases by Valance Drakes
Loaded releases by Tom Hodge
Loaded releases by Little People



NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52

Loaded releases by Sainté

Ok bah

Donne moi les titres de Kyle Dixon &
Michael Stein

Donne moi les titres de Adriatique

Donne moi les titres de Klangkarussell

Donne moi les titres de GHOST DATA

Donne moi les titres de Pig&Dan

Donne moi les titres de Rival Consoles

Donne moi les titres de Echo Map

Loaded releases by Extrawelt

Loaded releases by Howling

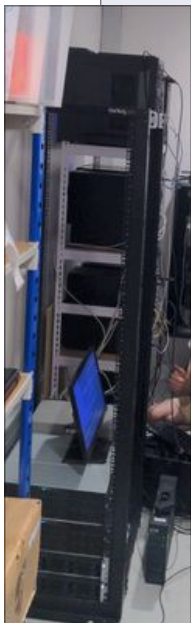
Loaded releases by Lena Raine

Loaded releases by alt-J

Loaded releases by Valance Drakes

Loaded releases by Tom Hodge

Loaded releases by Little People



NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52

Loaded releases by Sainté

Ok bah

Donne moi les titres de Kyle Dixon &
Michael Stein

mais ***ferme ta gueule***
enfait

Loaded releases by Extrawelt

Loaded releases by Howling

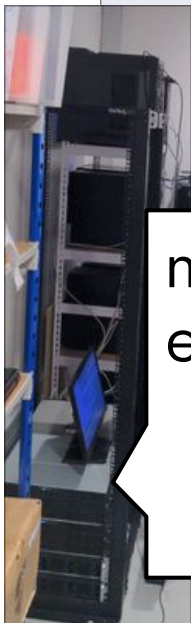
Loaded releases by Lena Raine

Loaded releases by alt-J

Loaded releases by Valance Drakes

Loaded releases by Tom Hodge

Loaded releases by Little People



NEW STUFF FOR YOU

43%

Loading...

Loaded releases by Android52

Loaded releases by Sainté

Ok bah

Donne moi les titres de Kyle Dixon &
Michael Stein

mais ***f e r m e t a g u e u l e***
enfait*

****rate limiting***

Loaded releases by Extrawelt

Loaded releases by Howling

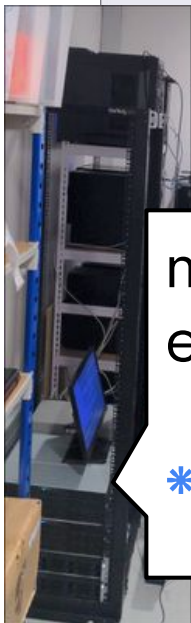
Loaded releases by Lena Raine

Loaded releases by alt-J

Loaded releases by Valance Drakes

Loaded releases by Tom Hodge

Loaded releases by Little People



GraphQL

Quand le client décide ce qu'il veut

GraphQL

Quand le client décide ce qu'il veut

query

Récupérer des données

Sans effets de bords

mutation

Changer des données

A des effets de bords

GraphQL

Quand le client décide ce qu'il veut

churros.inpt.fr/graphql

GraphQL

Quand le client décide ce qu'il veut

```
query {  
  nom de la query {  
    champs...  
  }  
}
```

GraphQL

Quand le client décide ce qu'il veut

```
query {  
  nom de la query(uid: "identifiant") {  
    champs...  
  }  
}
```

GraphQL

Quand le client décide ce qu'il veut

```
mutation {  
  nom de la mutation(arguments...) {  
    champs...  
  }  
}
```

GraphQL

Quand le client décide ce qu'il veut

```
mutation un petit nom que tu choisis {  
  nom de la mutation(arguments...) {  
    champs...  
  }  
}
```

GraphQL: Les types

Quand le client décide ce qu'il veut

Int	Entier
Float	Flottant (nombre à virgule)
String	Texte
Bool	Booléen (vrai ou faux)
<i>un type!</i>	Ne peut pas être <i>null</i>
<i>[un type]</i>	Liste de ...

GraphQL: Les types

Quand le client décide ce qu'il veut

<pre>enum <i>Nom</i> { A, B, C }</pre>	<pre>enum <i>Visibility</i> { Public, Unlisted, Private }</pre>
<pre>scalar <i>Nom</i></pre>	<pre>scalar Date</pre>
<pre>type <i>Nom</i> { a: B, c: D }</pre>	<pre>type Video { uploadedAt: Date title: String! visibility: Visibility! author: User }</pre>

GraphQL: Les fragments

Réutiliser une partie d'une requête

```
// Déclaration du fragment
fragment Nom du fragment on Type {
  champs...
}

// Utilisation du fragment
query {
  user { ...Nom du fragment }
}
```

```
fragment CardArticle on Article {
  title
  bodyPreview
  author {
    fullName, uid, pictureFile
  }
}

query homepage {
  edges { node { ...CardArticle }}
}

query event {
  articles { ...CardArticle }
}
```

GraphQL: Les “inline” fragments

Utile quand ça peut être une erreur par exemple

```
mutation {  
  upsertEvent(title: “Le marché de Noël”) {  
    ...on Error { message }  
    ...on MutationUpsertEventSuccess { data }  
  }  
}
```

GraphQL: Les variables

Pour éviter les injections GraphQL

```
mutation createEvent($title: String!) {  
  upsertEvent(title: $title) {  
    ...on Error { message }  
    ...on MutationUpsertEventSuccess { data }  
  }  
}
```

```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: { "Content-Type": "application/json" },  
  body: JSON.stringify({ query: "... " })  
})
```

```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: { "Content-Type": "application/json" },  
  body: JSON.stringify({ query: "... " })  
})
```

```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: { "Content-Type": "application/json" },  
  body: JSON.stringify({ query: "... " })  
})
```

```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: { "Content-Type": "application/json" },  
  body: JSON.stringify({ query: "... " })  
})
```

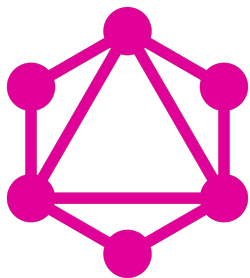


```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: { "Content-Type": "application/json" },  
  body: JSON.stringify({ query: "... " })  
})
```

```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: { "Content-Type": "application/json" },  
  body: JSON.stringify({ query: "la requête graphql" })  
})
```

```
fetch("https://churros.inpt.fr/graphql", {  
  method: "POST",  
  headers: {  
    "Content-Type": "application/json",  
    "Authorization": "Bearer token"  
  },  
  body: JSON.stringify({ query: "... " })  
})
```

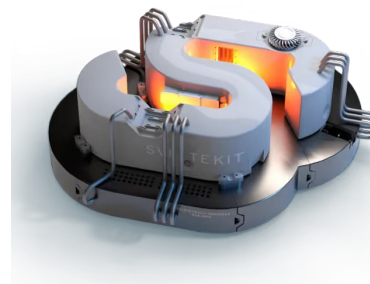
Des ressources



graphql.org



learn.svelte.dev



kit.svelte.dev

Merci à Benj pour les crêpes!

