



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Pipes

Alex Thalhammer

Concept of Pipes

- Reusable across components & directives – like Services
- Transform data before output in template ("format")
- Grammar:
 - {{ flight.from | **city** }}
 - {{ flight.from | **city:'short'** }}
 - {{ flight.from | **city:'short':'en'** }}
 - {{ flight.from | **city:'short':'en' | uppercase** }}

Built-in Pipes

DatePipe

UpperCasePipe

LowerCasePipe

TitleCasePipe

DecimalPipe

CurrencyPipe

PercentPipe

SlicePipe

JsonPipe

AsyncPipe

<https://angular.io/api/common#pipes>



Pure Pipes

- Output depends only on input parameters
- Benefit: performance can be optimized



Declaration of a pipe

```
import { Pipe, PipeTransform } from '@angular/core';

@Pipe({
  name: 'city',
  standalone: true,
  pure: true // default
})
export class CityPipe implements PipeTransform {
  transform(value: any, param1?: any, param2?: any, ...): [e.g.] string {
    [...]
    return [...];
  }
}
```



DEMO



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



SOFTWARE
ARCHITECT

LAB



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



SOFTWARE
ARCHITECT