

# Data Binding

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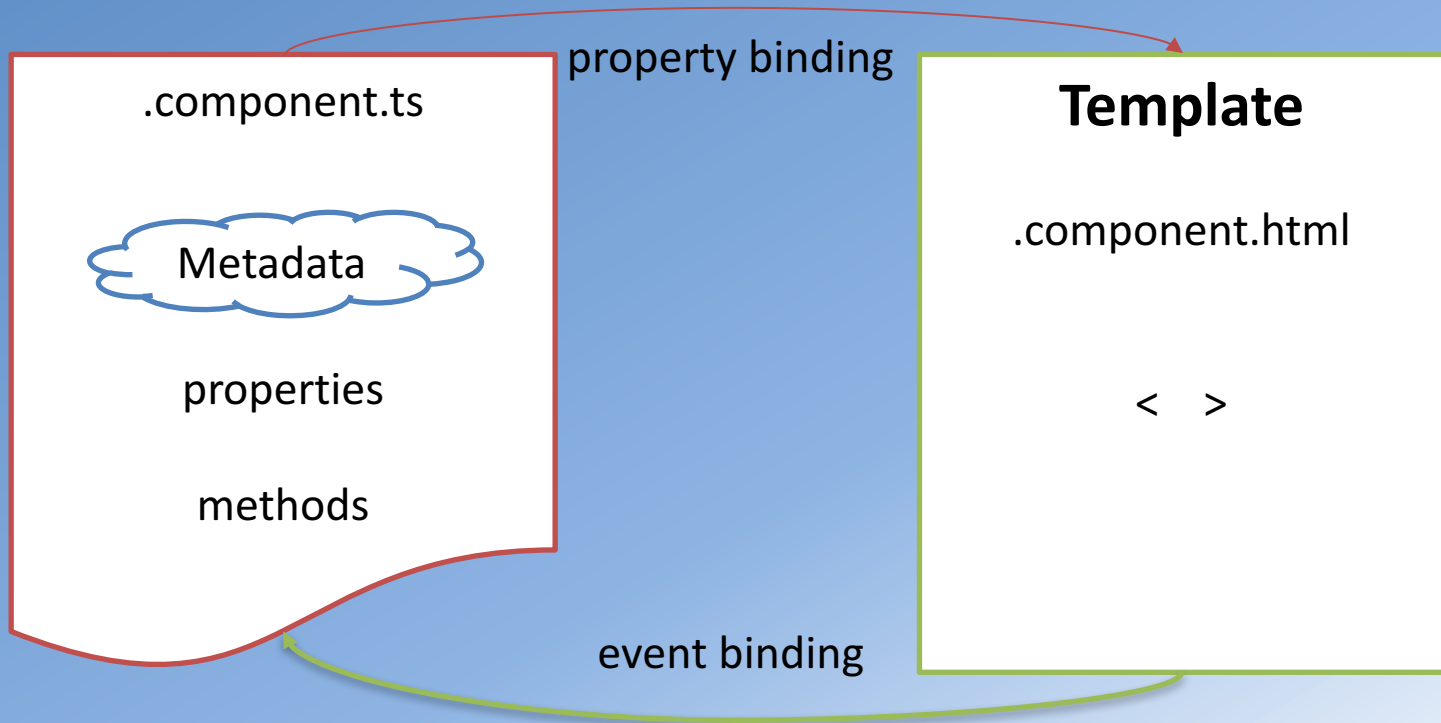


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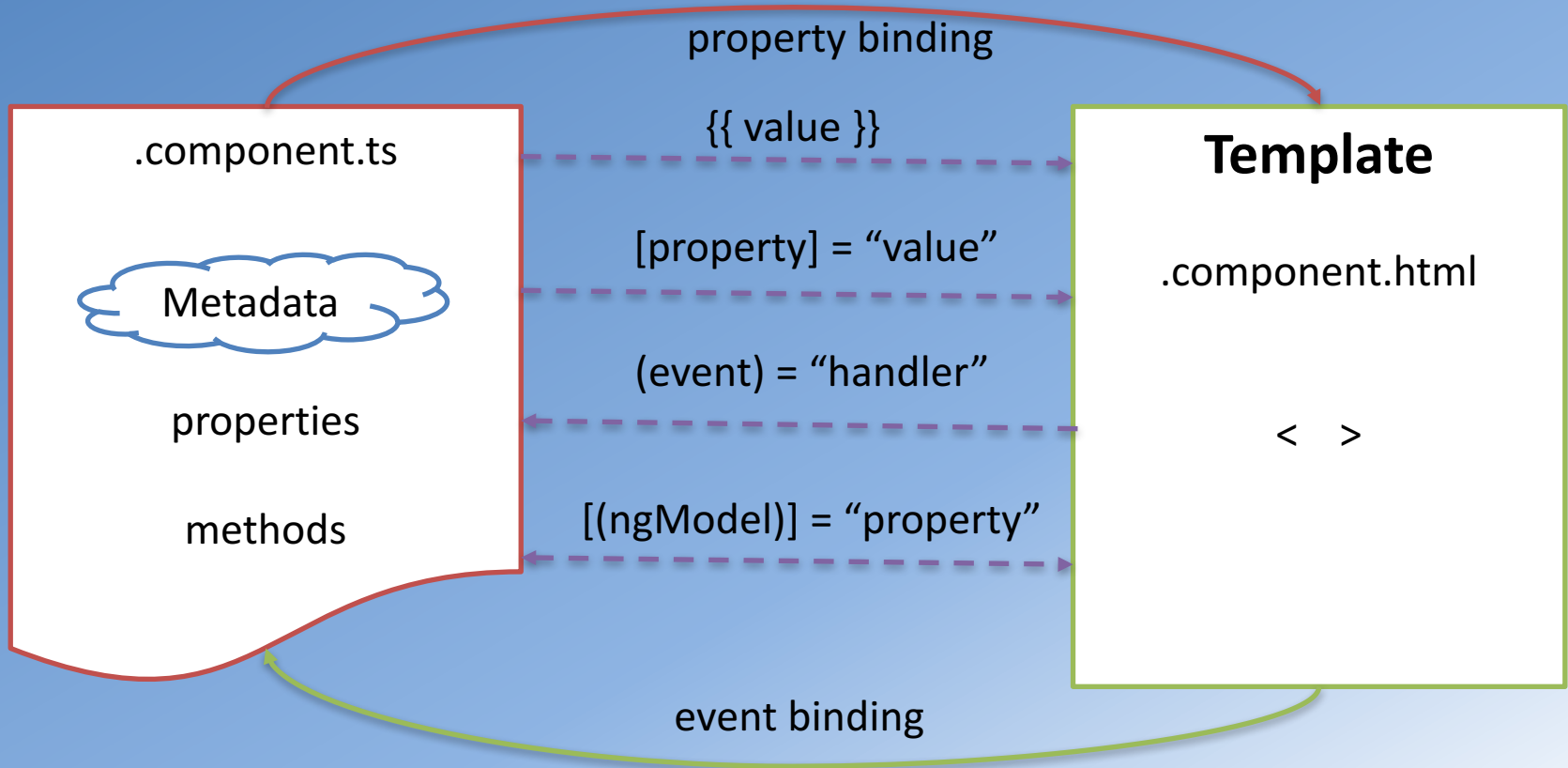
# Component



# Data Binding

- Mechanism for coordinating between the
  - Template -> DOM
  - Component -> Property
- Data flowing from component to template
- Events generated by user interaction flowing to the component

# Data Binding



# Data Binding Summary

Data direction	Syntax	Type	Example
One-way from data source to view target	<code>{{expression}}</code> <code>[target]="expression"</code> <code>bind-target="expression"</code>	Interpolation Property Attribute Class Style	<code>{{ dish.name }}</code> <code>[dish]="selectedDish"</code> <code>bind-dish="selectedDish"</code>
One-way from view target to data source	<code>(target)="statement"</code> <code>on-target="statement"</code>	Event	<code>(click)="onSelect(dish)"</code> <code>on-click="onSelect(dish)"</code>
Two-way	<code>[(target)]="expression"</code> <code>bindon-target="expression"</code>	Two-way	<code>[(ngModel)]="dish.name"</code>

`[(())]` banana in a box

# Binding Targets

- Binding targets are the properties that are declared on the left side of the binding declaration ([...], (...), [(...)])
  - Right side of the = are the binding sources (“...”)
- Target properties must be explicitly marked as Input or Output properties using decorators:
  - @Input() dish: Dish;
  - @Output() deleteDish= new EventEmitter<Dish>();