

Entity Framework Include Filters



```
var persons = await dbContext.Set<Person>()
    .Include(p => p.Addresses.Where(a => a.ZipCode = "7470"))
    .ToListAsync();
```

Include with filter



Filter after include



```
var persons = await dbContext.Set<Person>()
    .Include(p => p.Addresses)
    .Where(p => p.Addresses.Any(a => a.ZipCode = "7470"))
    .ToListAsync();
```



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Entity Framework Include Filters

Retrieve all persons, and only include the addresses matching the ZipCode predicate.
Does not filter the "root" entity.



input.json

```
[  
 {  
   FullName: 'Tiffany Gerlach',  
   Addresses: [  
     { Street: '70 Delmer Ways', ZipCode: '2377' },  
     { Street: '61 Trisha River', ZipCode: '7470' }  
   ],  
   },  
   {  
     FullName: 'Milford Nader',  
     Addresses: [  
       { Street: '86 Feeney Pine', ZipCode: '6560' },  
       { Street: '23 Hauck Run', ZipCode: '3610' }  
     ],  
   },  
];
```



```
var persons = await dbContext.Set<Person>()  
  .Include(p => p.Addresses.Where(a => a.ZipCode = "7470"))  
  .ToListAsync();
```



result.json

```
[  
 {  
   FullName: 'Tiffany Gerlach',  
   Addresses: [  
     { Street: '61 Trisha River', ZipCode: '7470' }  
   ],  
   },  
   {  
     FullName: 'Milford Nader',  
     Addresses: []  
   },  
];
```



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Entity Framework Include Filters

Only retrieve persons that contain the specified ZipCode condition, with all addresses.
Filters the "root" entity, not the children.



input.json

```
[  
  {  
    FullName: 'Tiffany Gerlach',  
    Addresses: [  
      { Street: '70 Delmer Ways', ZipCode: '2377' },  
      { Street: '61 Trisha River', ZipCode: '7470' }  
    ],  
  },  
  {  
    FullName: 'Milford Nader',  
    Addresses: [  
      { Street: '86 Feeney Pine', ZipCode: '6560' },  
      { Street: '23 Hauck Run', ZipCode: '3610' }  
    ],  
  },  
];
```



```
var persons = await dbContext.Set<Person>()  
  .Include(p => p.Addresses)  
  .Where(p => p.Addresses.Any(a => a.ZipCode == "7470"))  
  .ToListAsync();
```



result.json

```
[  
  {  
    FullName: 'Tiffany Gerlach',  
    Addresses: [  
      { Street: '70 Delmer Ways', ZipCode: '2377' },  
      { Street: '61 Trisha River', ZipCode: '7470' }  
    ],  
  },  
];
```



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