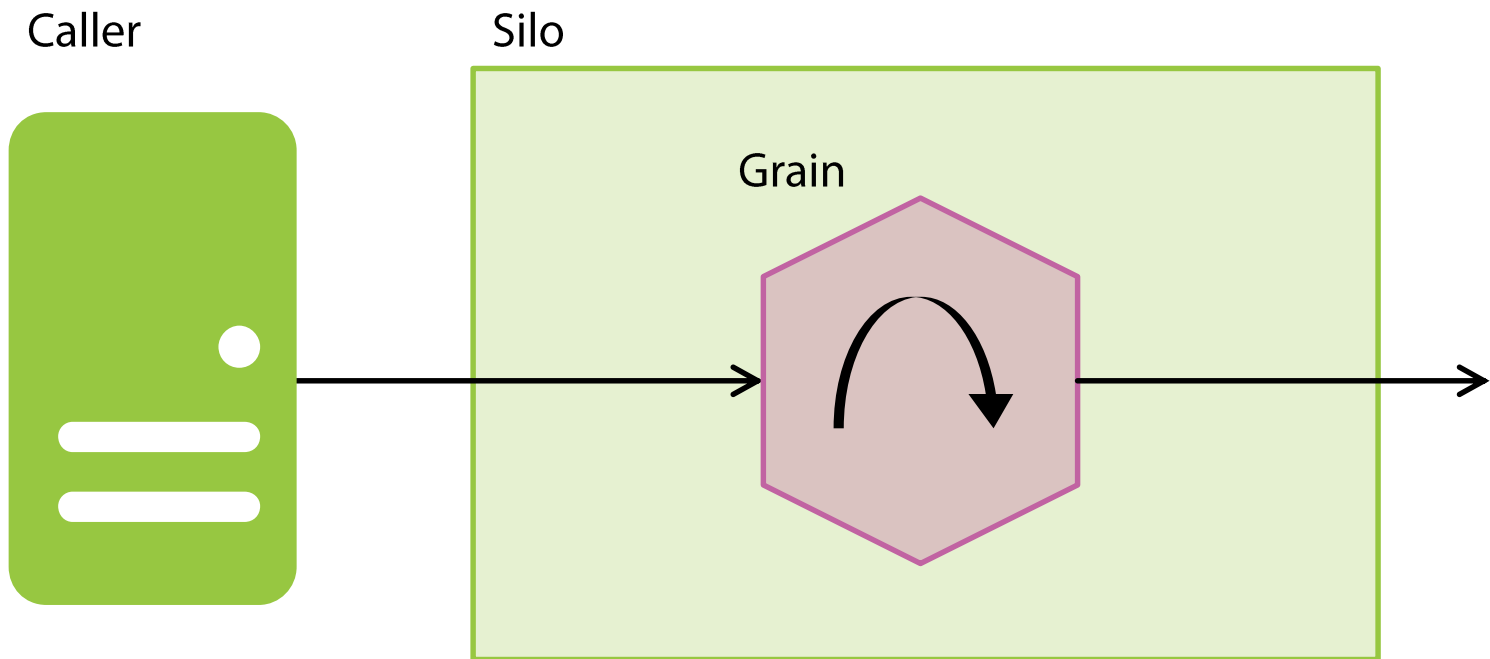


Timers (or Scheduled Processing)

Richard Astbury
<http://coderead.wordpress.com>
@richorama



pluralsight 
hardcore dev and IT training



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Timers

Grains can register timers to call a function

Timers are async, single threaded and reentrant

Multiple timers can be registered, cancelled

Last the length of grain activation

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Reminders

Persist beyond the life of the grain

Will activate the grain if it does not exist

Should not be used for high frequency messages

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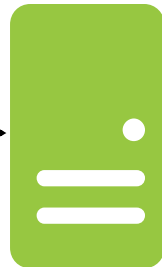
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Slide Show view.

Temperature
Sensor
Device



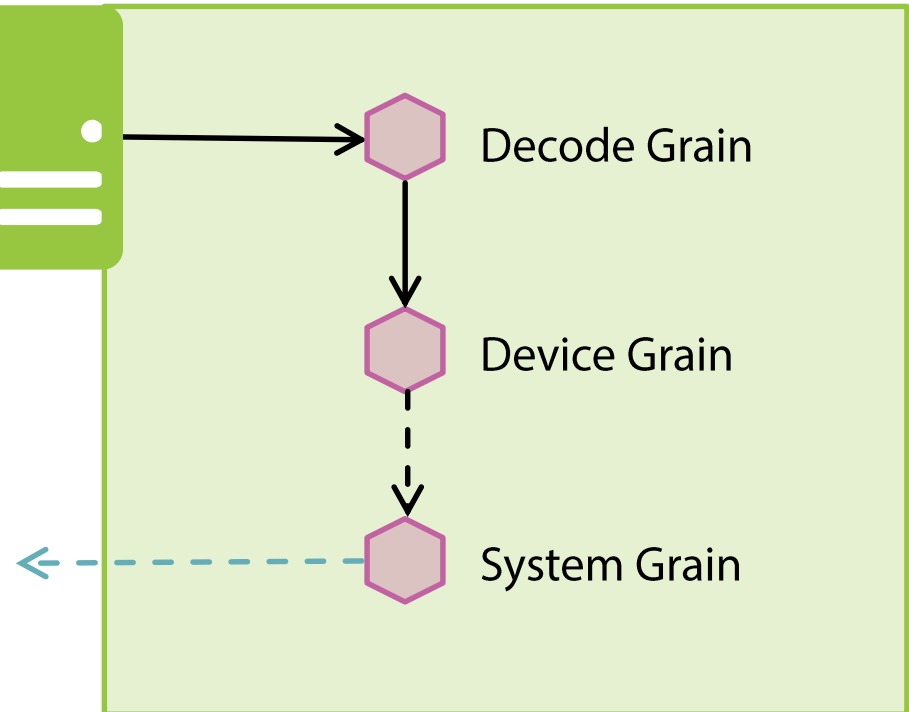
WebAPI



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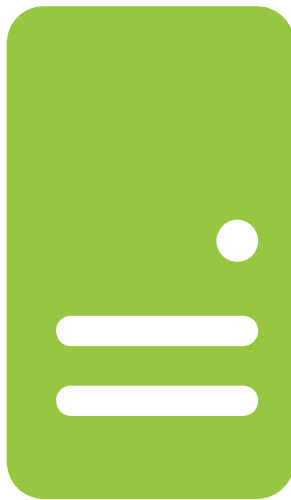


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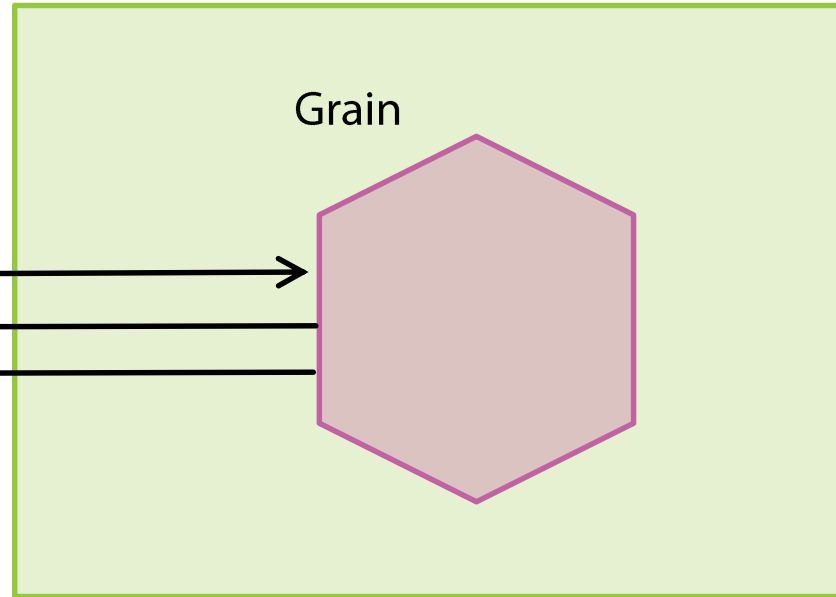
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Caller



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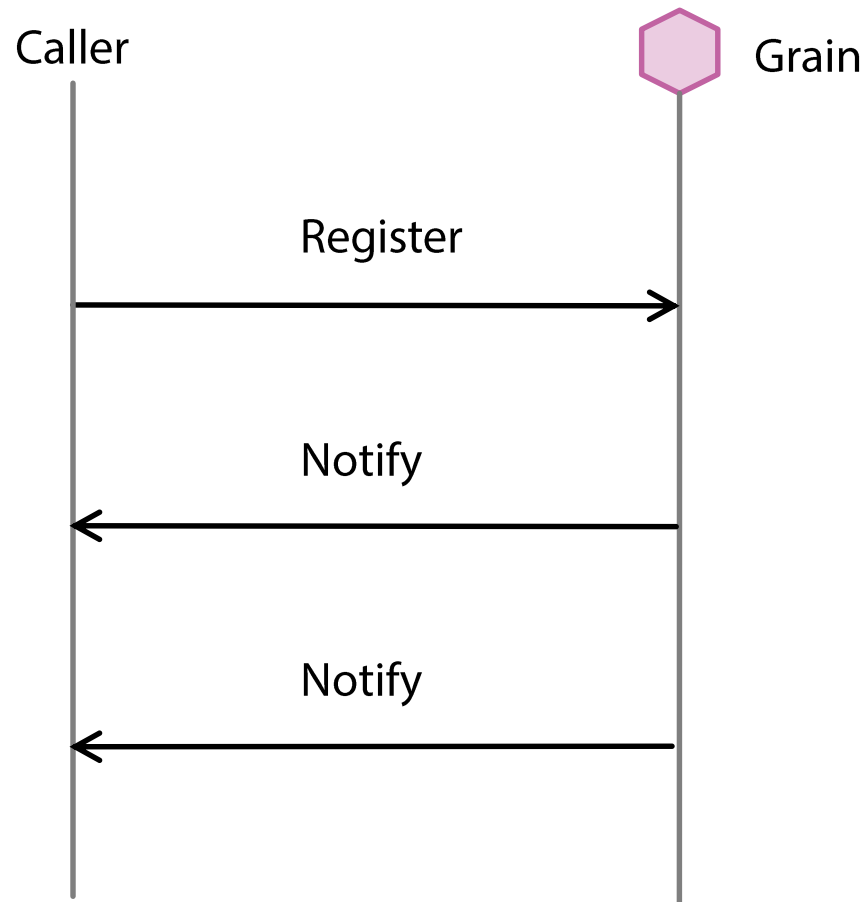
Grain



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Observer

Provides pub/sub messaging

Multiple callers can get notified

Useful for notifying code outside the Silo

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Implementing an Observer

An interface

A factory is created

An implementation

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Temperature
Sensor
Device



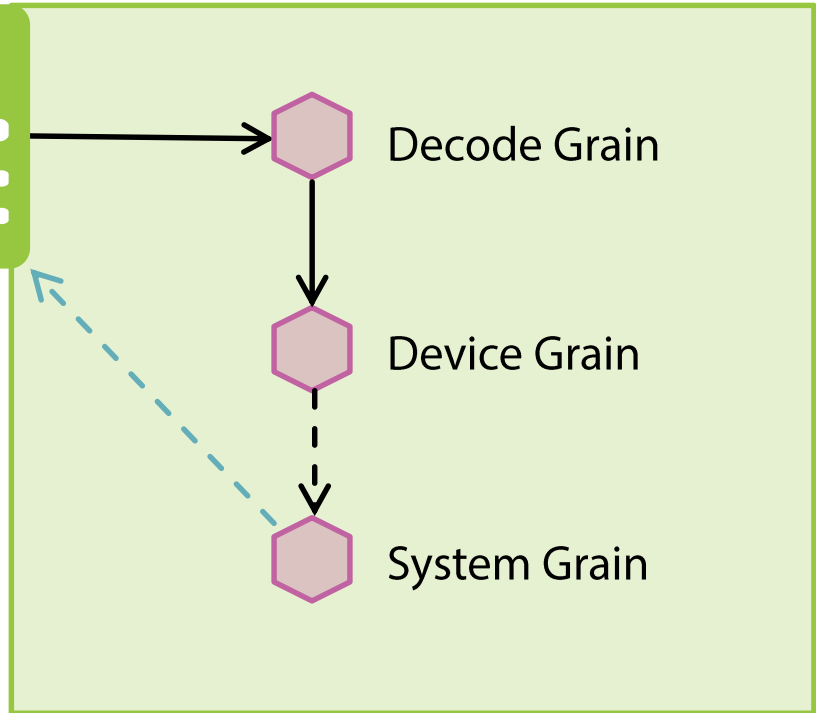
WebAPI



Orleans



Silo



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