1. 
2. Agenda:
   1. How to prepare pipeline for handling error logs as error logs may contain multiple lines even though error log we handled already with single line.
3. **For example**:
   1. Stack trace may span multiple lines unlike access log where each line responds to a single request.
4. **Example**:  
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   We will work with this Java Stack Trace above where event is spanning on multiple lines.
5. But how we deal with multiline events, depends on the structure of the events.  
   So, we need to adjust a little bit depending on our particular event like events from PHP, C#.  
   So, we need to tell Logstash which lines form an event so that it doesn’t consider each line as an individual events.
6. We can do this by using a **CODEC named Multiline**.
7. Until now, we were distinguishing b/w the two event types (access, error) within the filter block but how we are going to that in this case.
   1. There used to be a **filter plugin named Multiline** which enabled us to check the event type and conditionally apply the filter.
   2. However, this plugin is **deprecated in favour of the Multiline Codec**.
   3. But we can’t use conditional statements in input block for several reasons.
      1. First of all, type field is not set at this state of pipeline (during input stage).
      2. We can’t apply Codec conditionally.  
         This leaves us with two options.
8. Two options are:
   1. Having input plugin dedicated to each event type (we will choose this approach) or
   2. Exploiting the fact that multiline codec adds a tag to multi-line events.  
      It means if an event spans multiple line, a tag named multiline will be added otherwise no tag is added.  
      This enables us to distinguish multiline events from single line.
9. We will add a file input plugin dedicated to error log.

There is reason, why we are not going to use HTTP plugin.  
There is subtle technicality that would cause problems for us. We will get back to this later on.

1. Multiline Codec:  
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2. Let’s make the configuration.  
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