



```
(defn created-by-details! [metadata-service {:keys [created-by] :as doc}]  
  (let [{:keys [name email]}  
        :or {name "Unknown" email "Unknown"}  
        (user-by-id! metadata-service created-by)]  
    (merge doc {:createdByName name :createdByEmail email})))
```

```
(defn with-metadata! [metadata-service doc]  
  (some->> doc  
    (created-by-details! metadata-service)  
    (updated-by-details! metadata-service)))
```


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(defn with-meta-data!
[meta-data-sequence
do

[{key: [name_email]}

(created-by-details

meta-data-service

or {name 'Unknown' in 'Unknown'}

(defn created-by-details

{:createdByName:createdByEmail})

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