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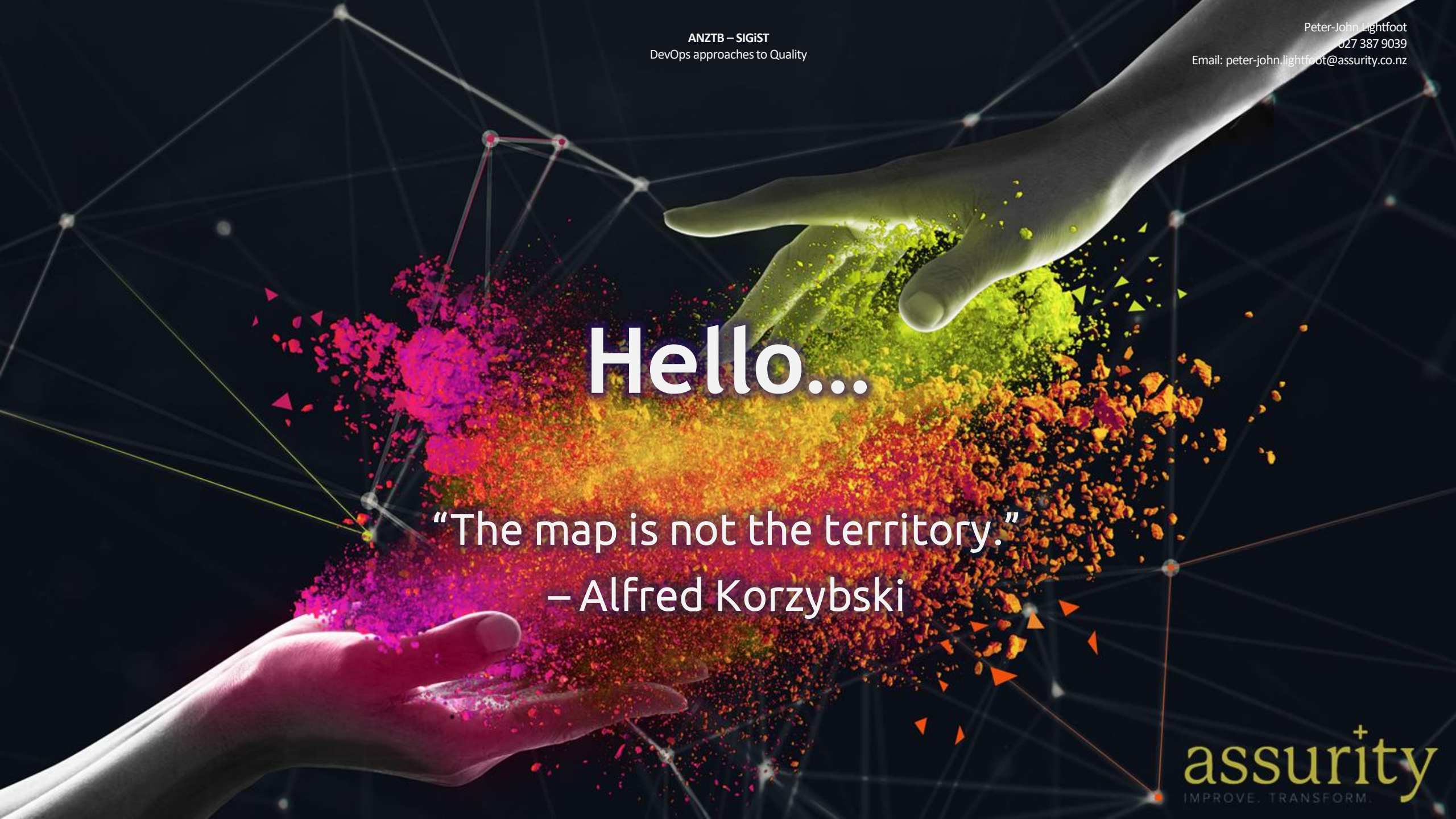

Hello…

"The map is not the territory."
– Alfred Korzybski

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```
READY
LIST

10 PRINT "*** WJC CONTEST ***"
20 PRINT "*** PRIZE DRAW ***"
30 PRINT "WINNER IS... NUMBER"
40 PRINT INT(25*RND(1))

READY
RUN
*** WJC CONTEST ***
*** PRIZE DRAW ***
WINNER IS... NUMBER
9

READY
```

```
Image BBS SubSystems:

  BB...BBS Listings
  EM...Electronic Mail (E-Mail)
  MF...Movie Files
  NF...News Files (System News)
  PF...Program Files (On-Line Games)
  RF...RLE Files (Hi-Res Graphics)
  SB...Subboards (Message Base)
  TF...Text Files
  UD...Upload Download Libraries
  UL...User Listing
  UX...Full Disk Exchange Libraries
  VB...Voting Booth

More?: Yes!

Other Available Commands

  C...Chat Request (Call Sysop)
  F...Feedback (Mail to Sysop)
  CF...This BBS Configuration
```

Software Development

1998
Since

Team Management

2004
Since

IT Architecture

2009
Since

Delivery Management

2013
Since

PROGRAMMER. ARCHITECT. SOLUTIONIST.

Tr/min x 100
km/h

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First...

What is DevOps?

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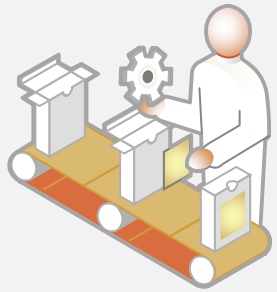

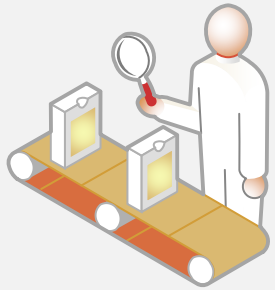

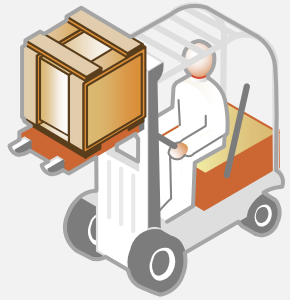

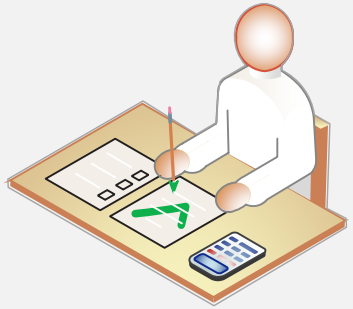

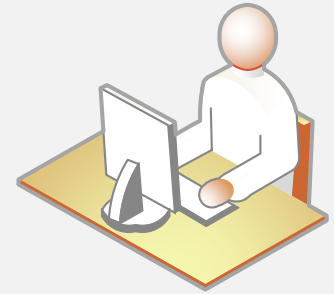

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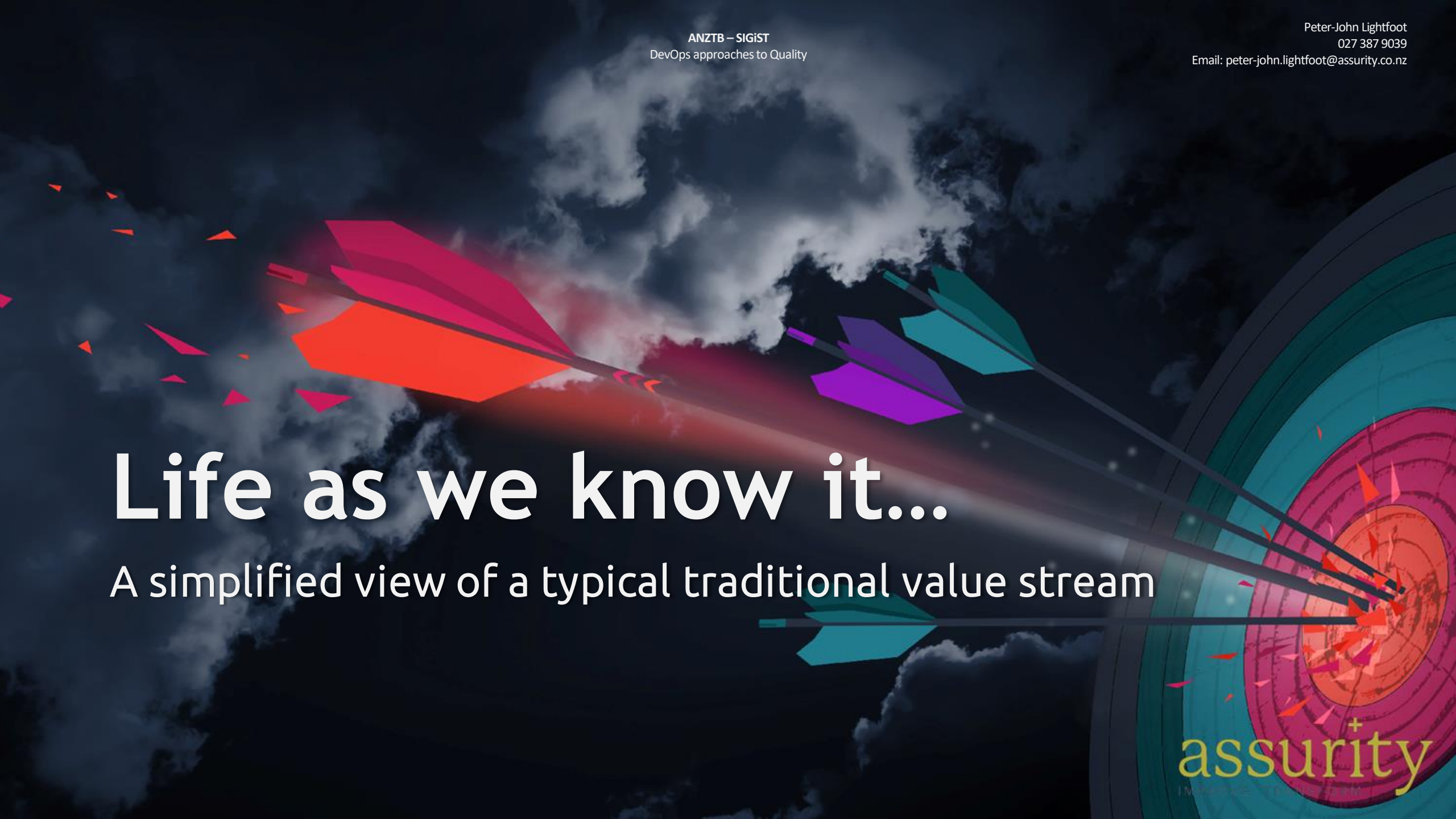

Life as we know it…

A simplified view of a typical traditional value stream

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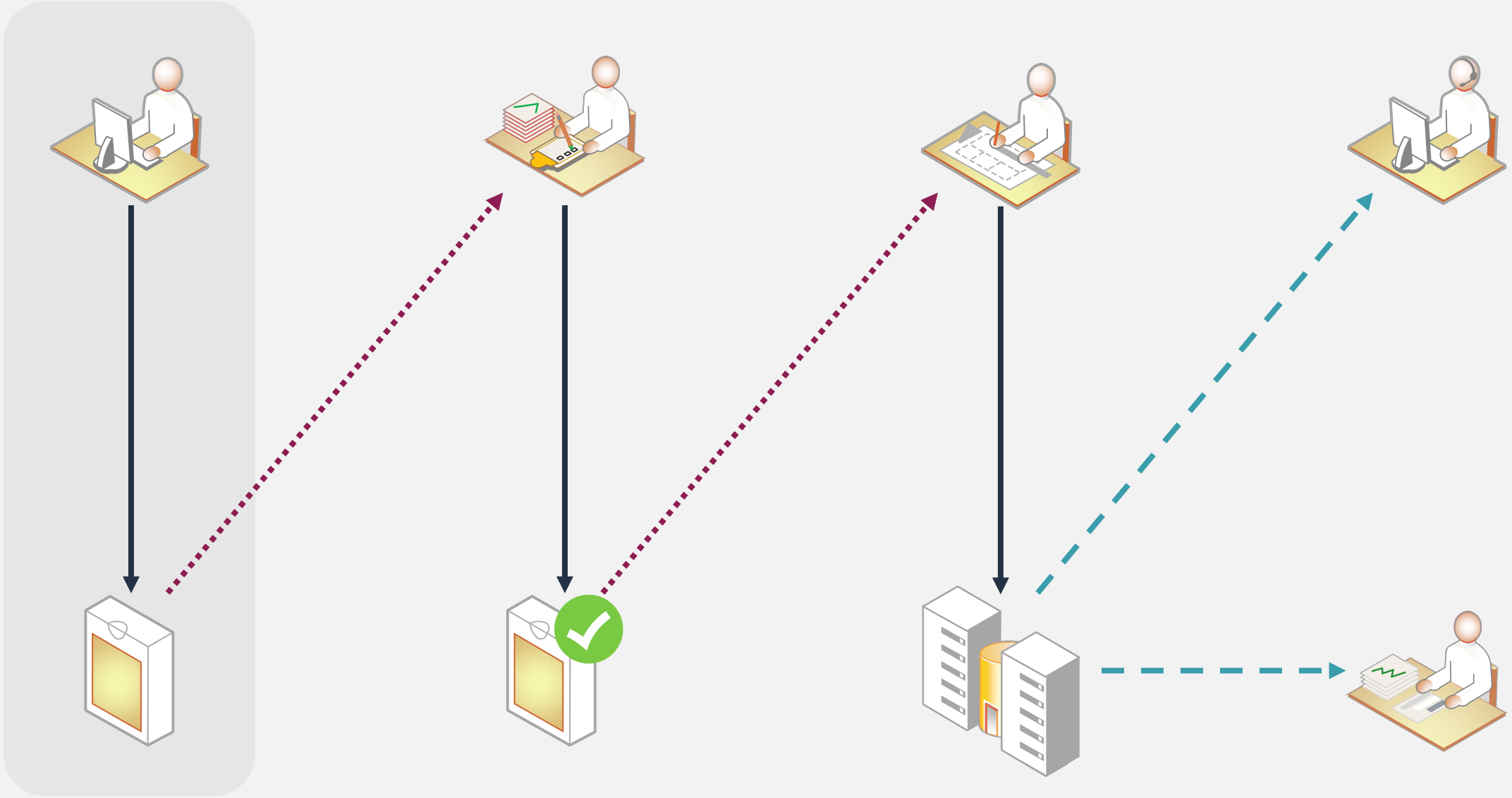

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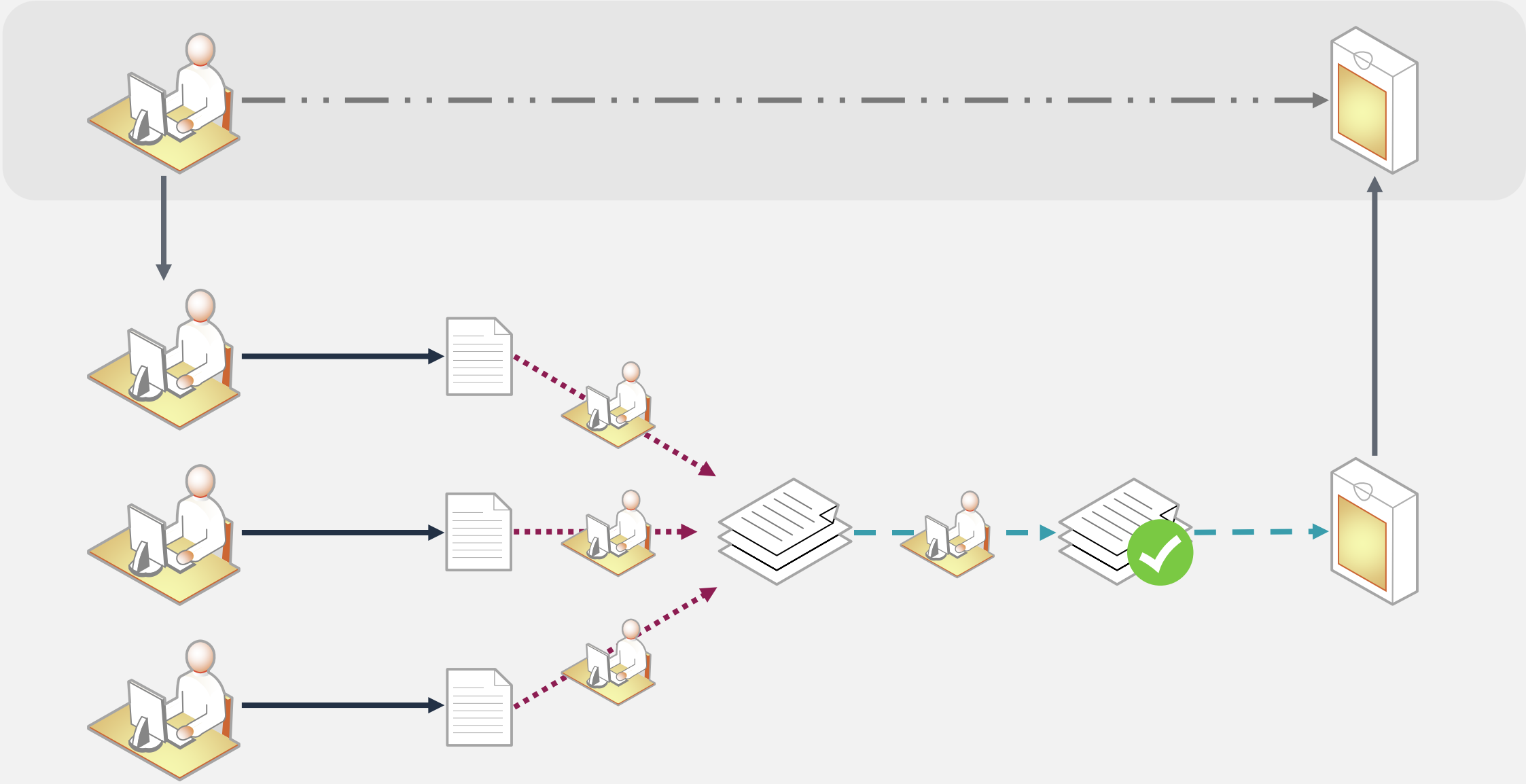

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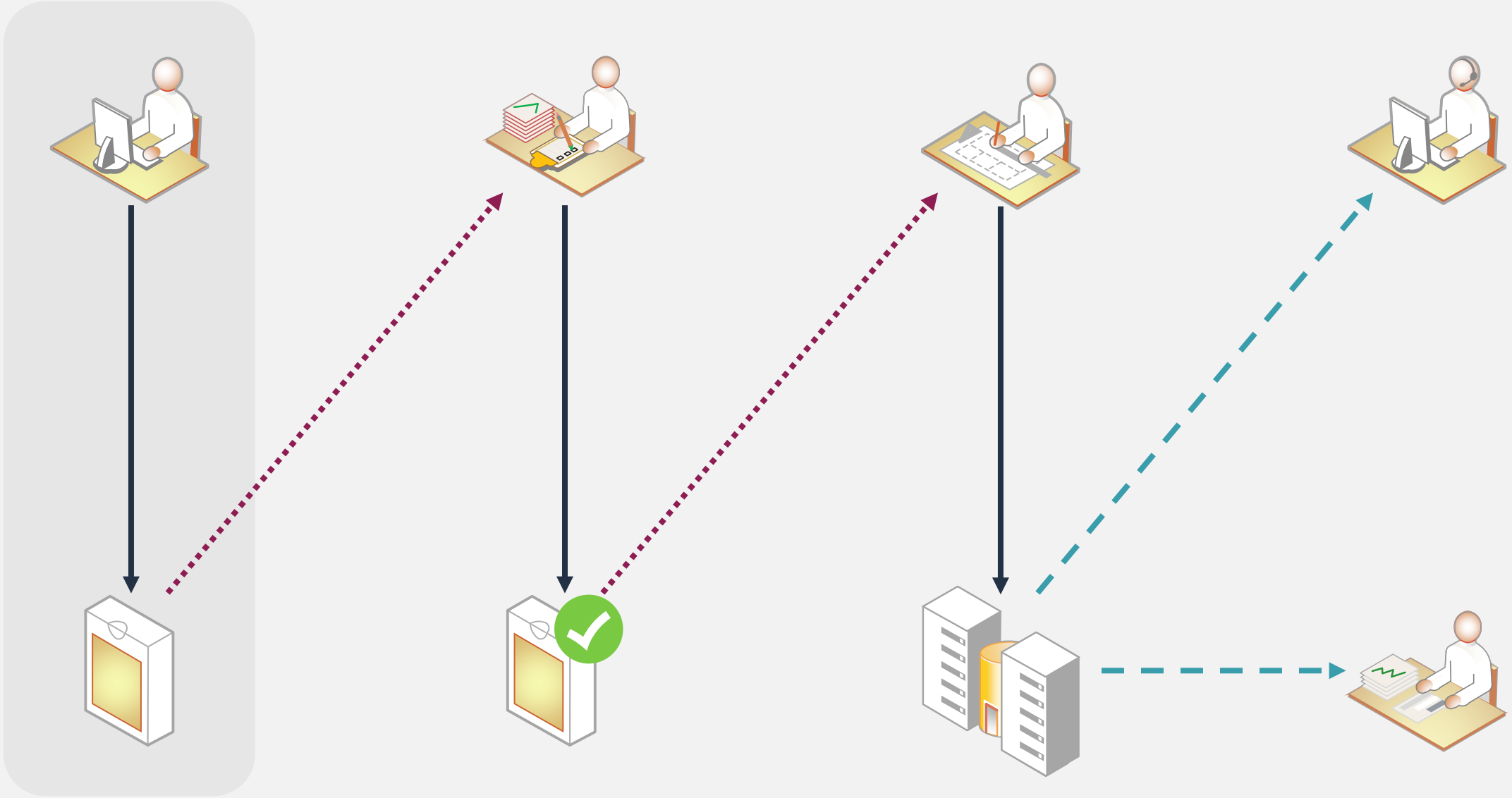

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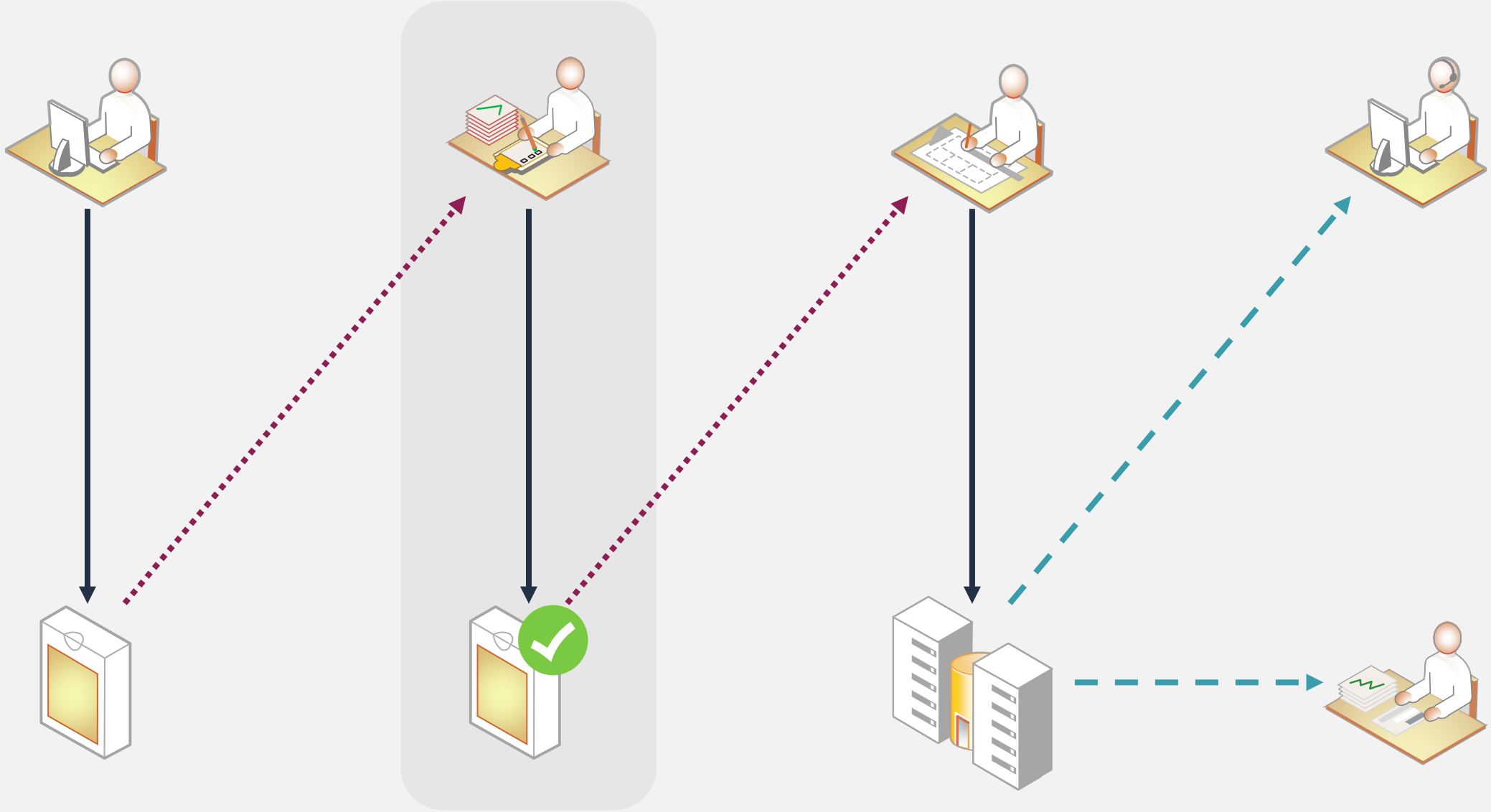

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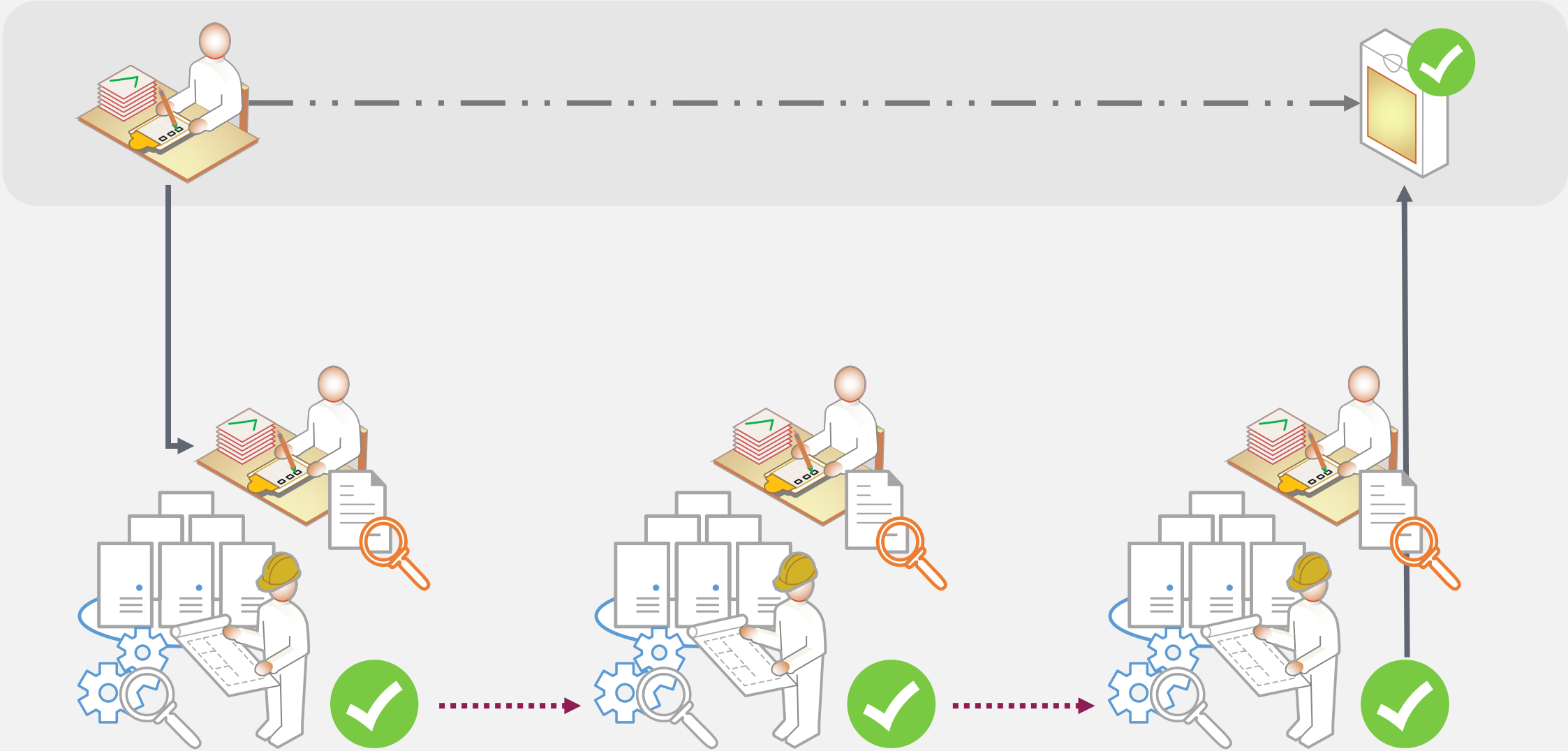

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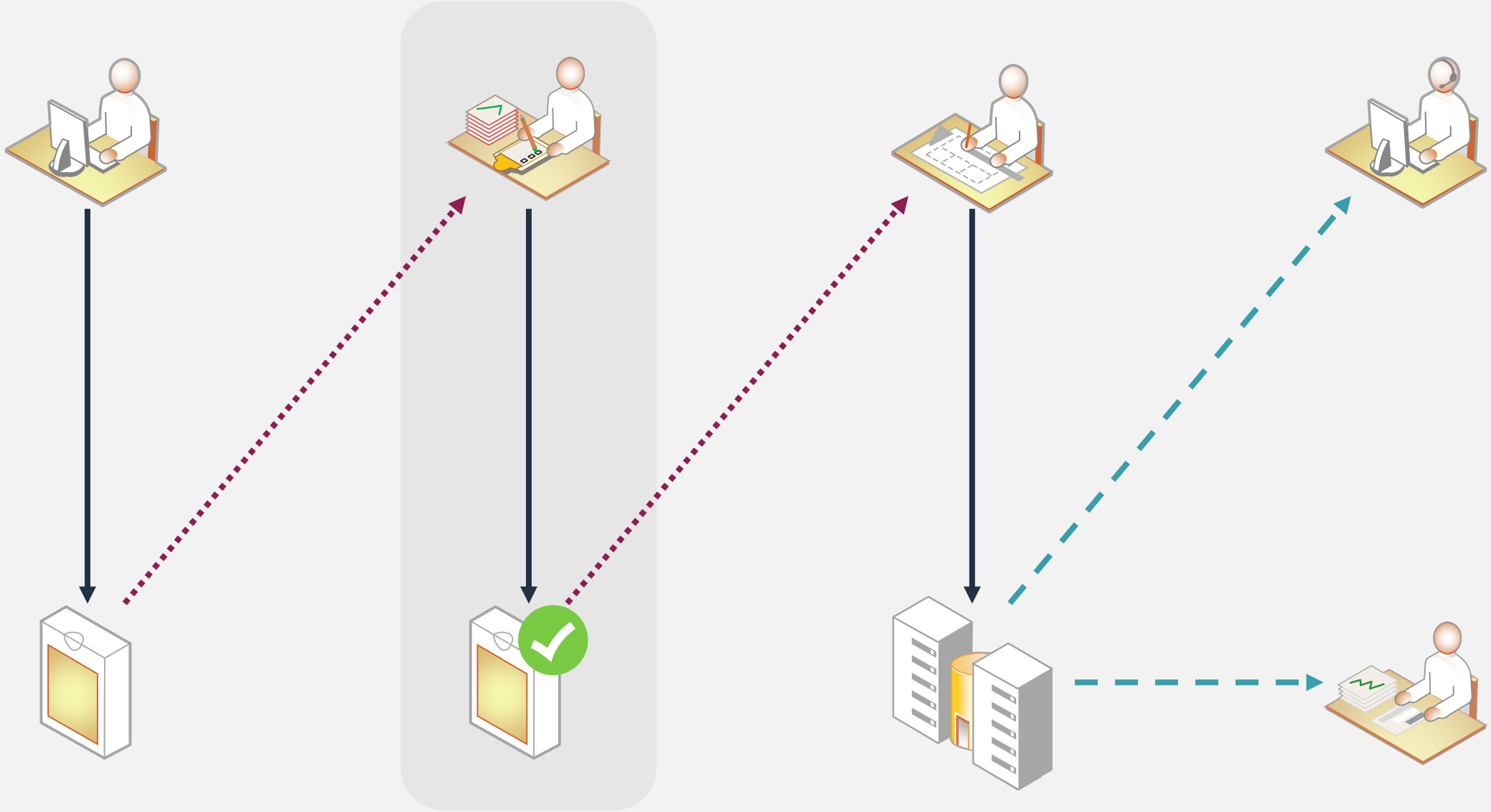

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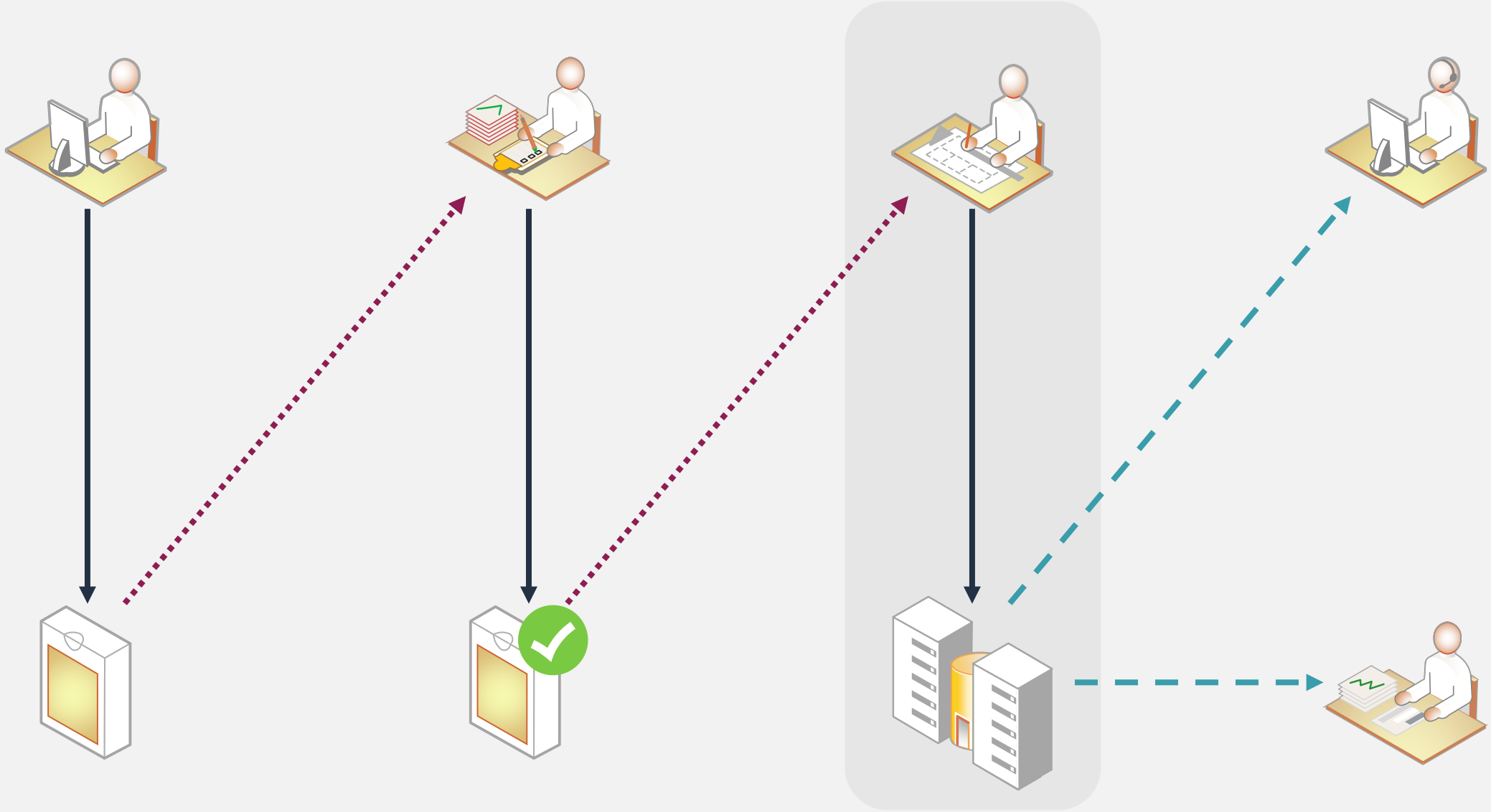

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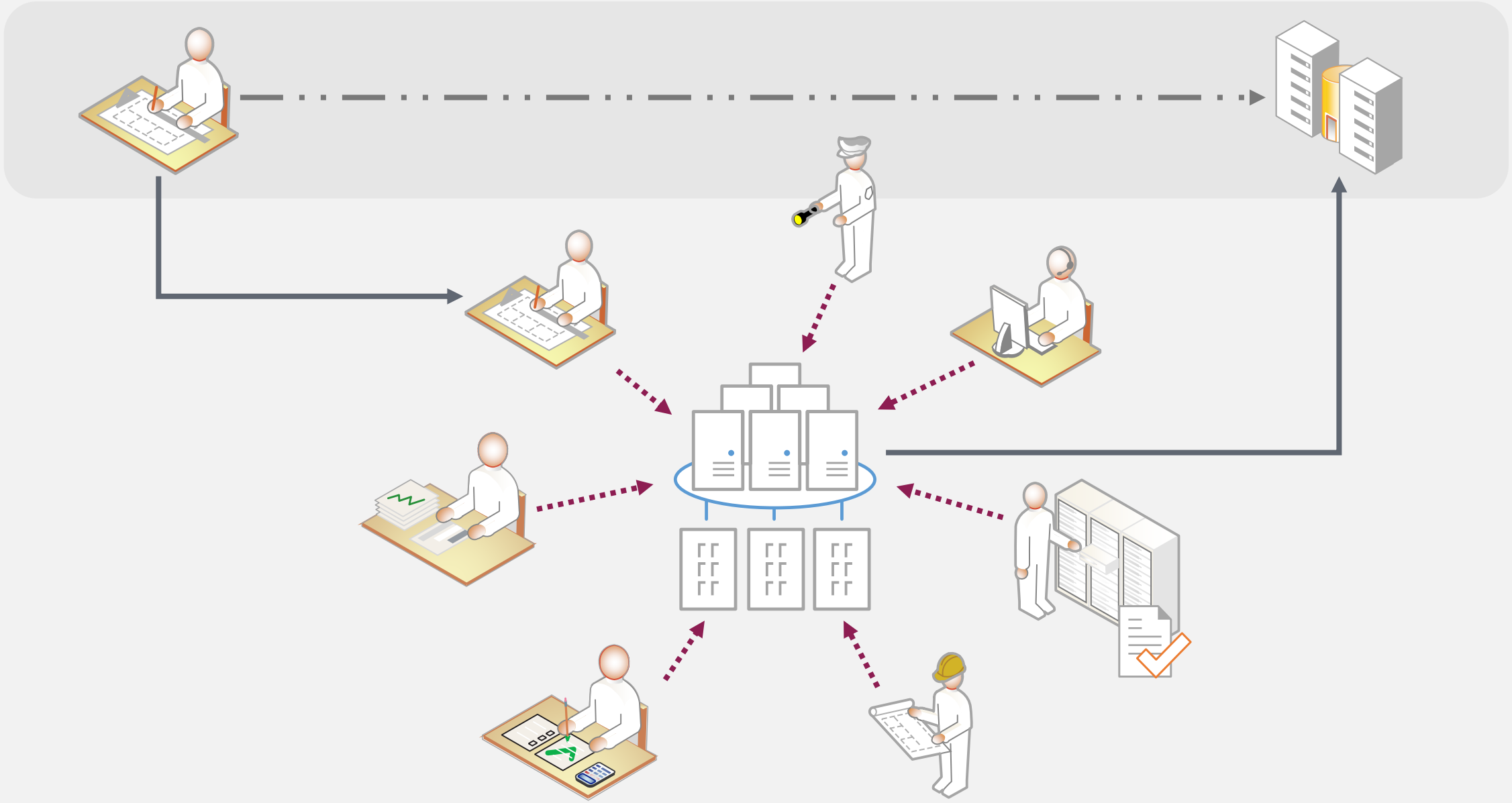

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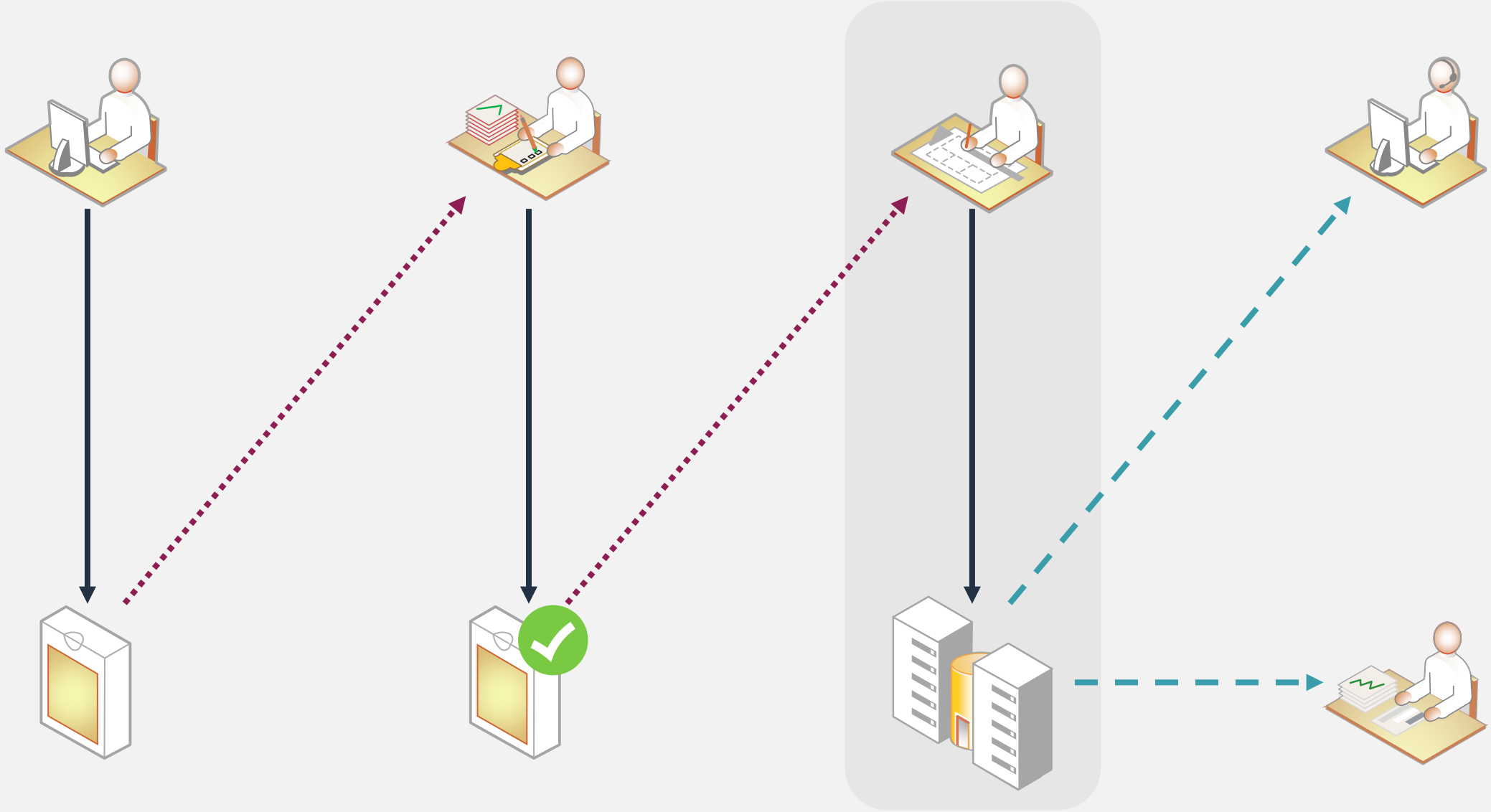

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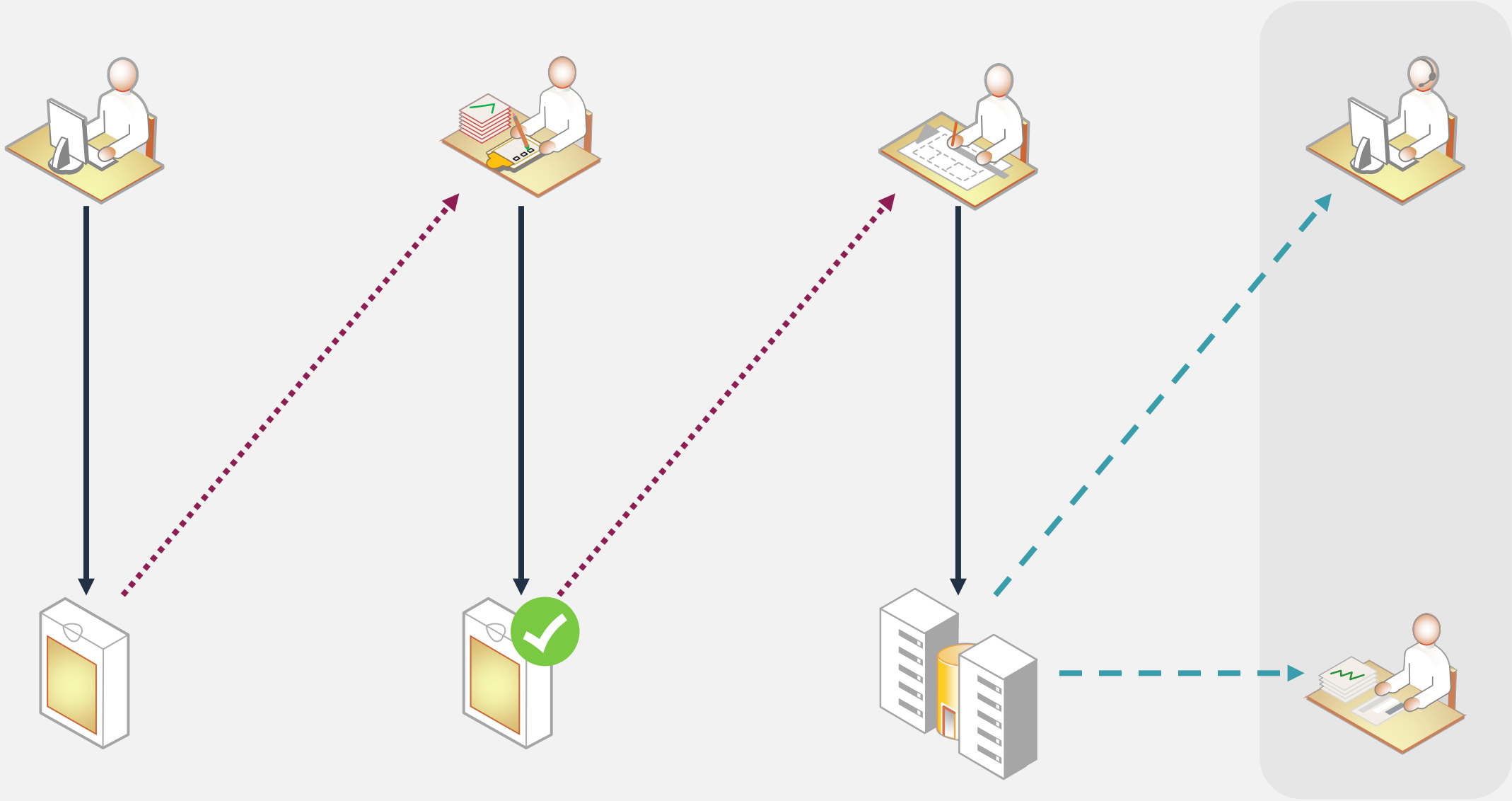

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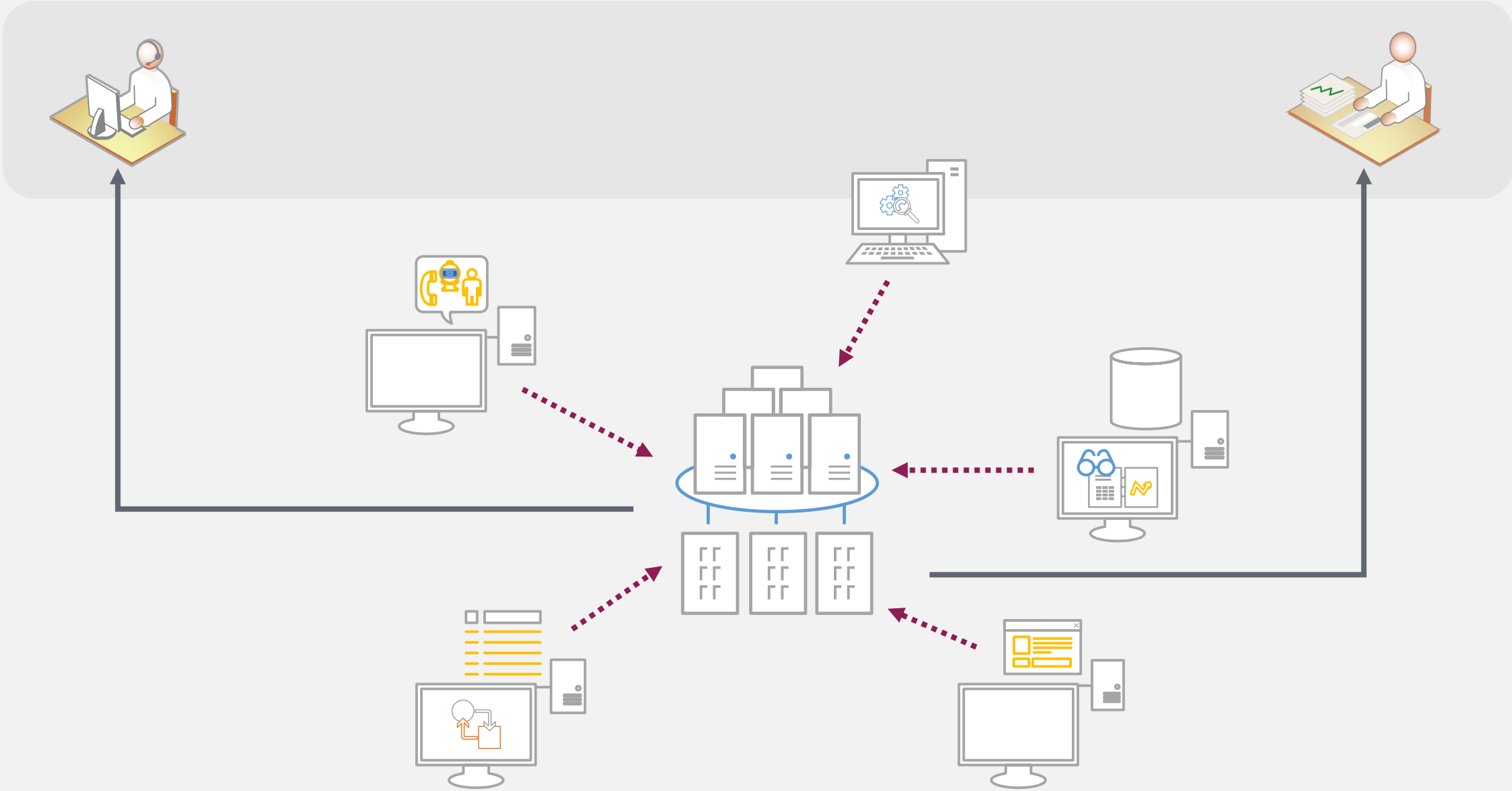

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Fully Automated Pipeline...

Is coding, testing and deploying in PROD just a pipe dream?

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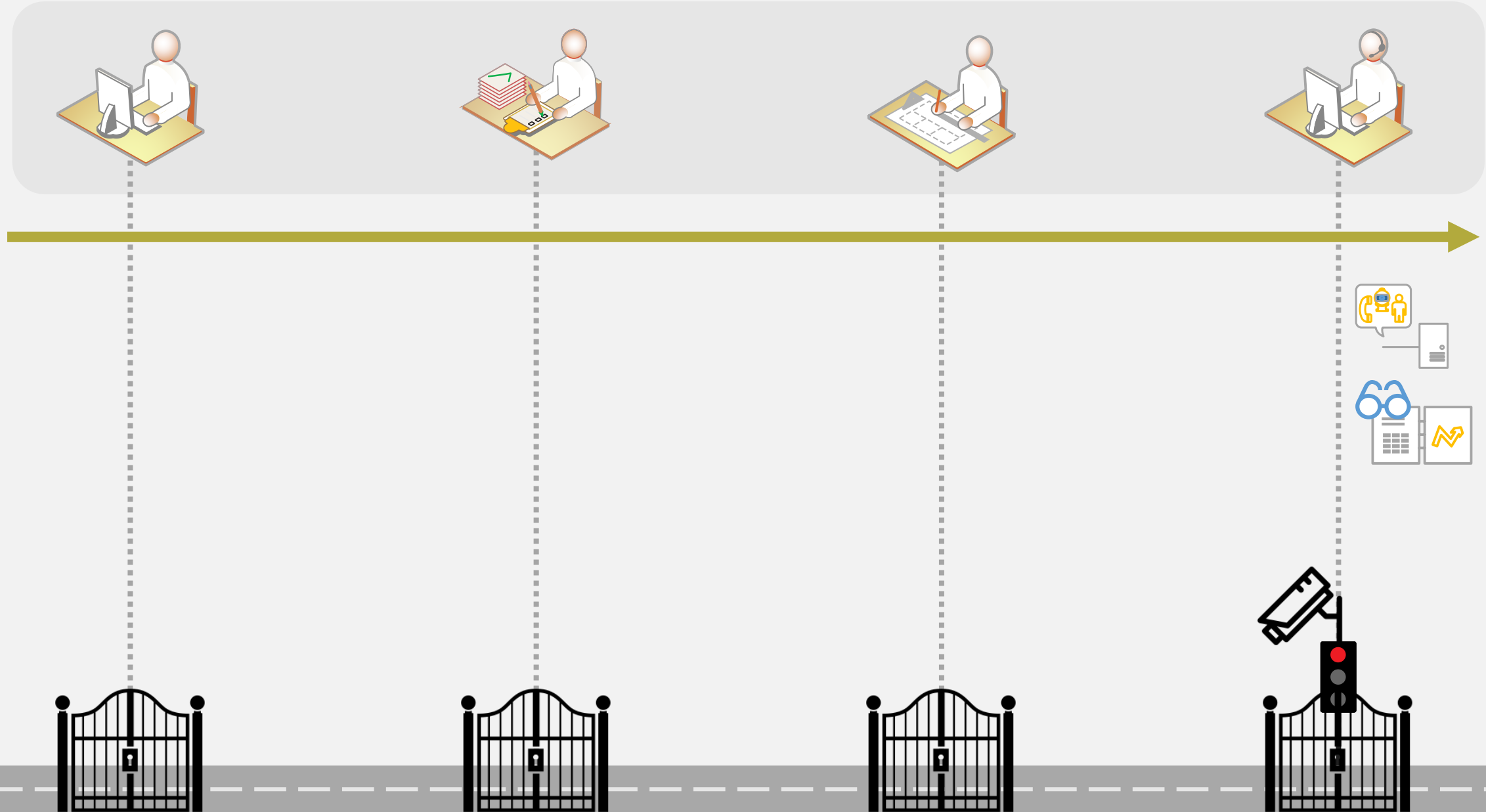

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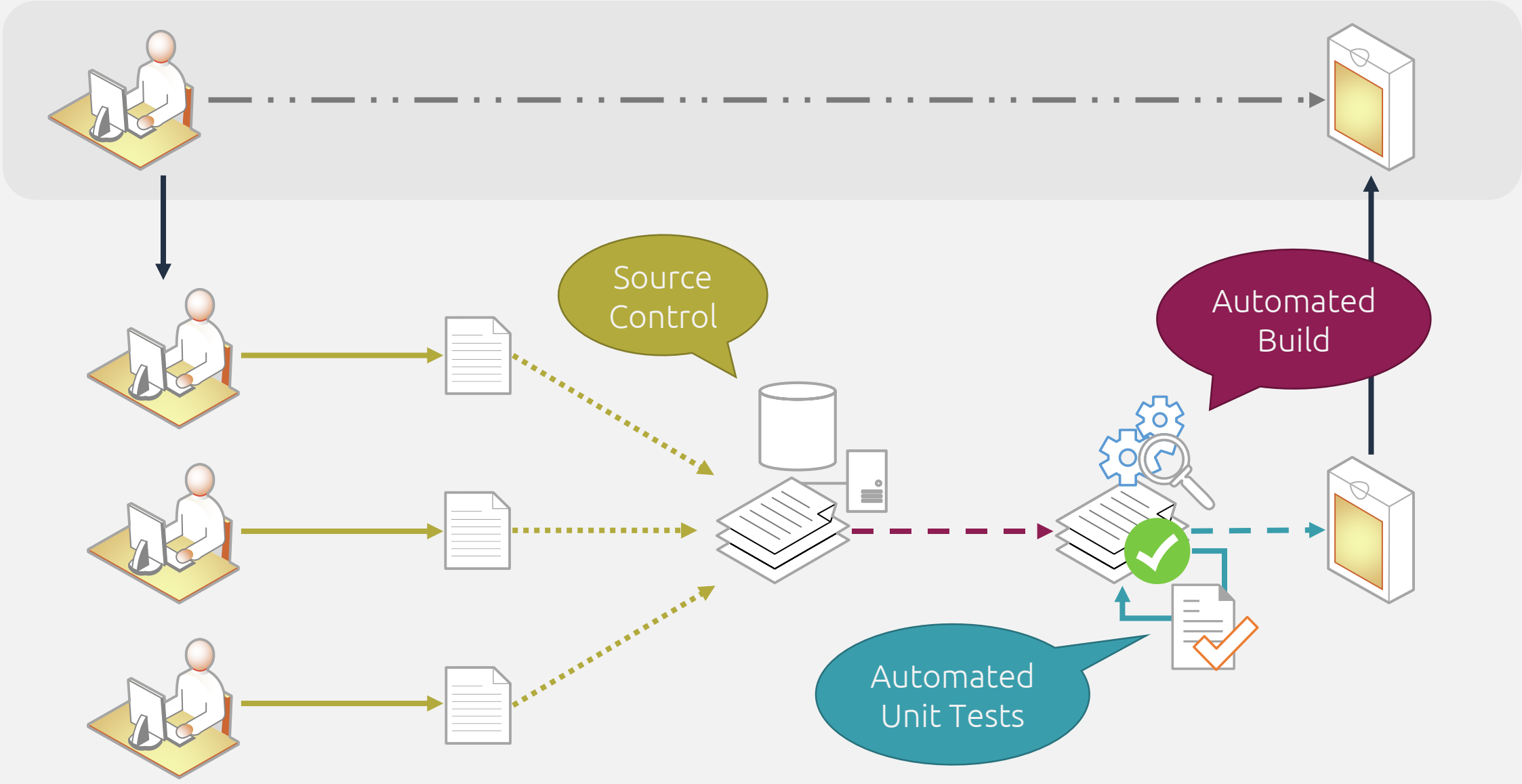

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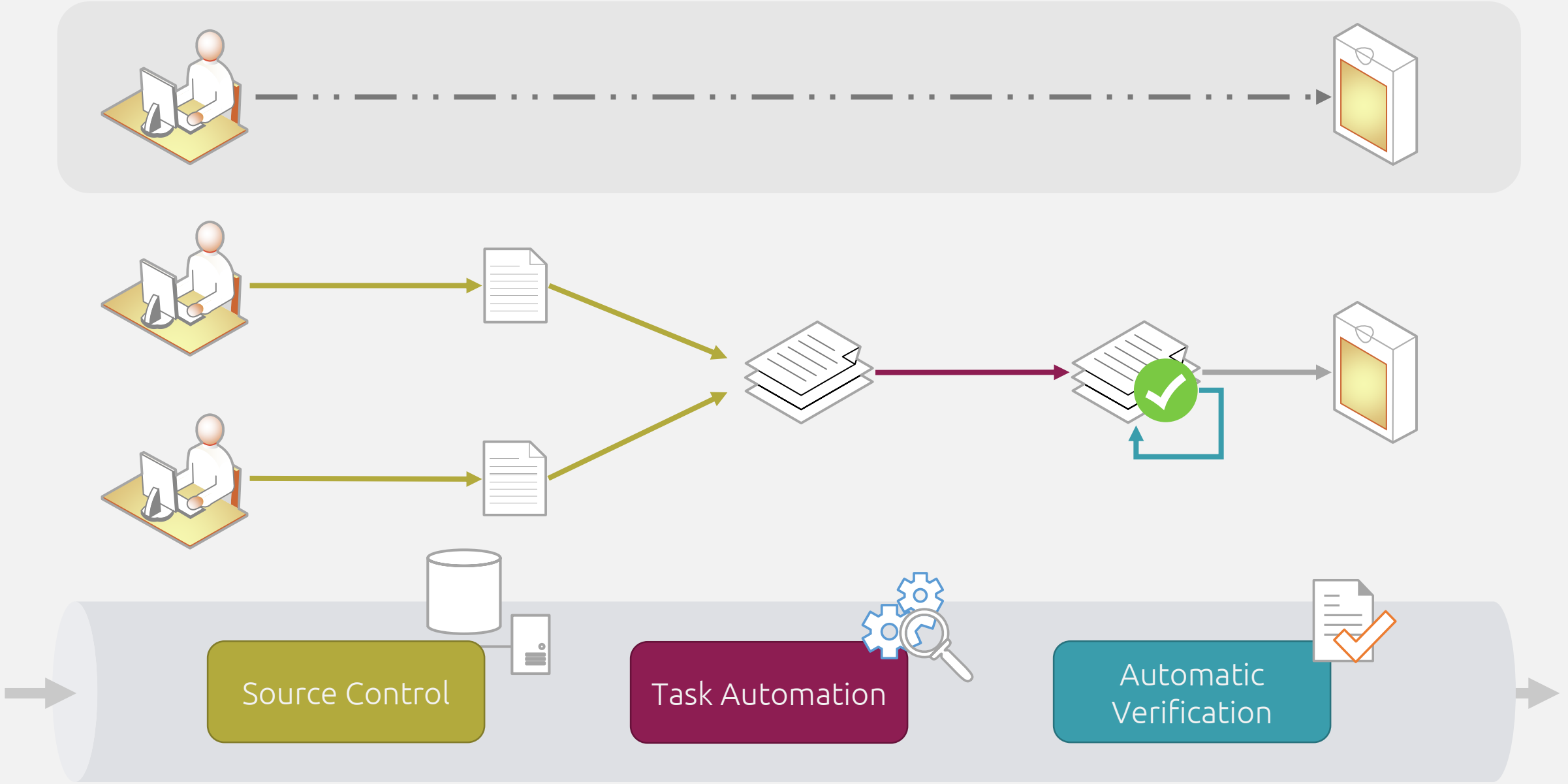

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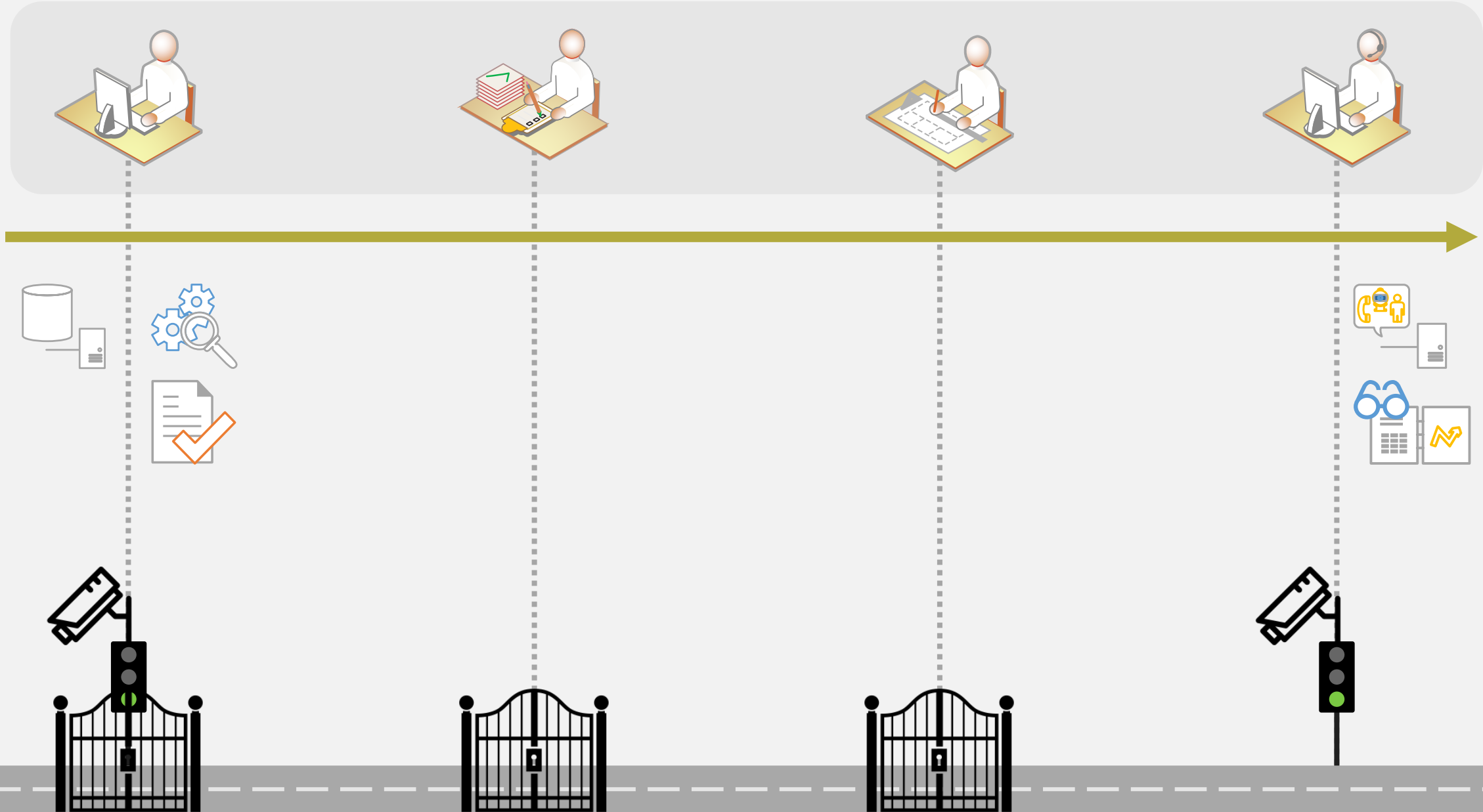

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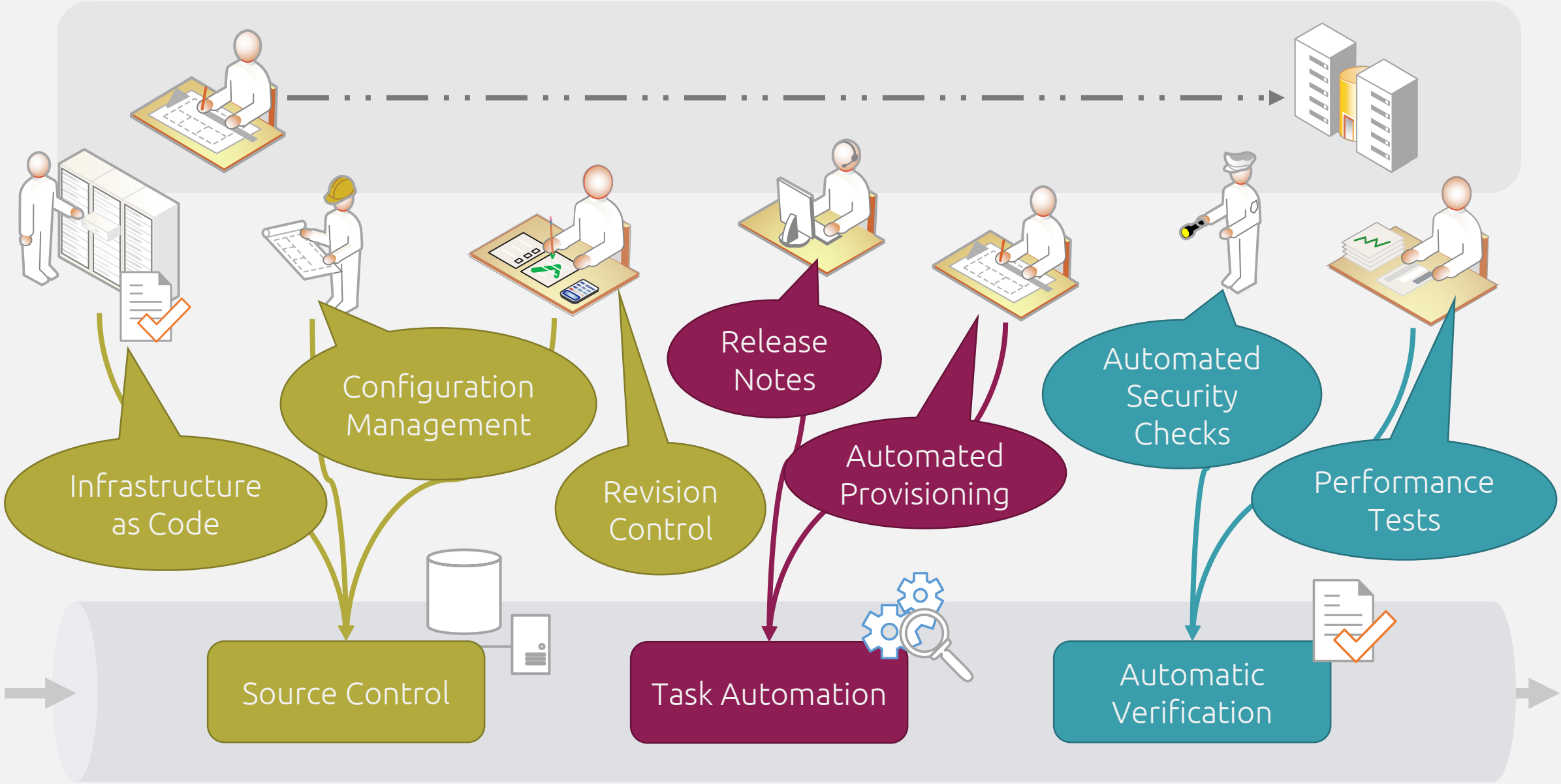

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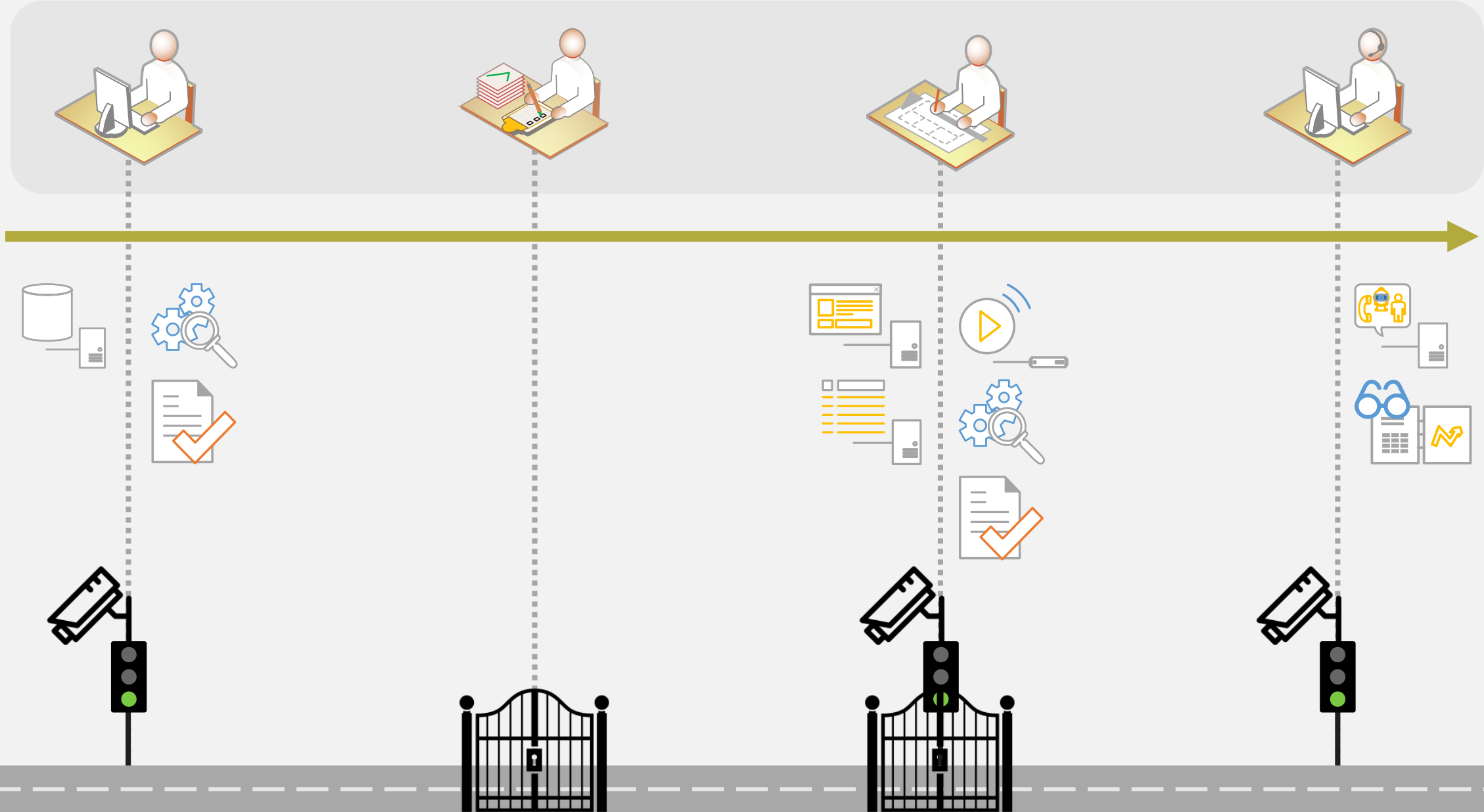

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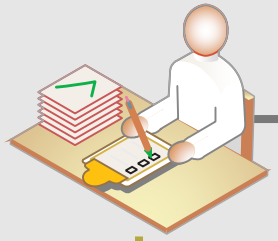

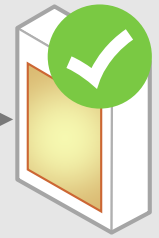

Data

Configuration

Tests

Scripts

Out-of-Band Contribution

Dynamic, Auto-Provisioned

In-Line Testing

Source Control

Task Automation

Automatic Verification

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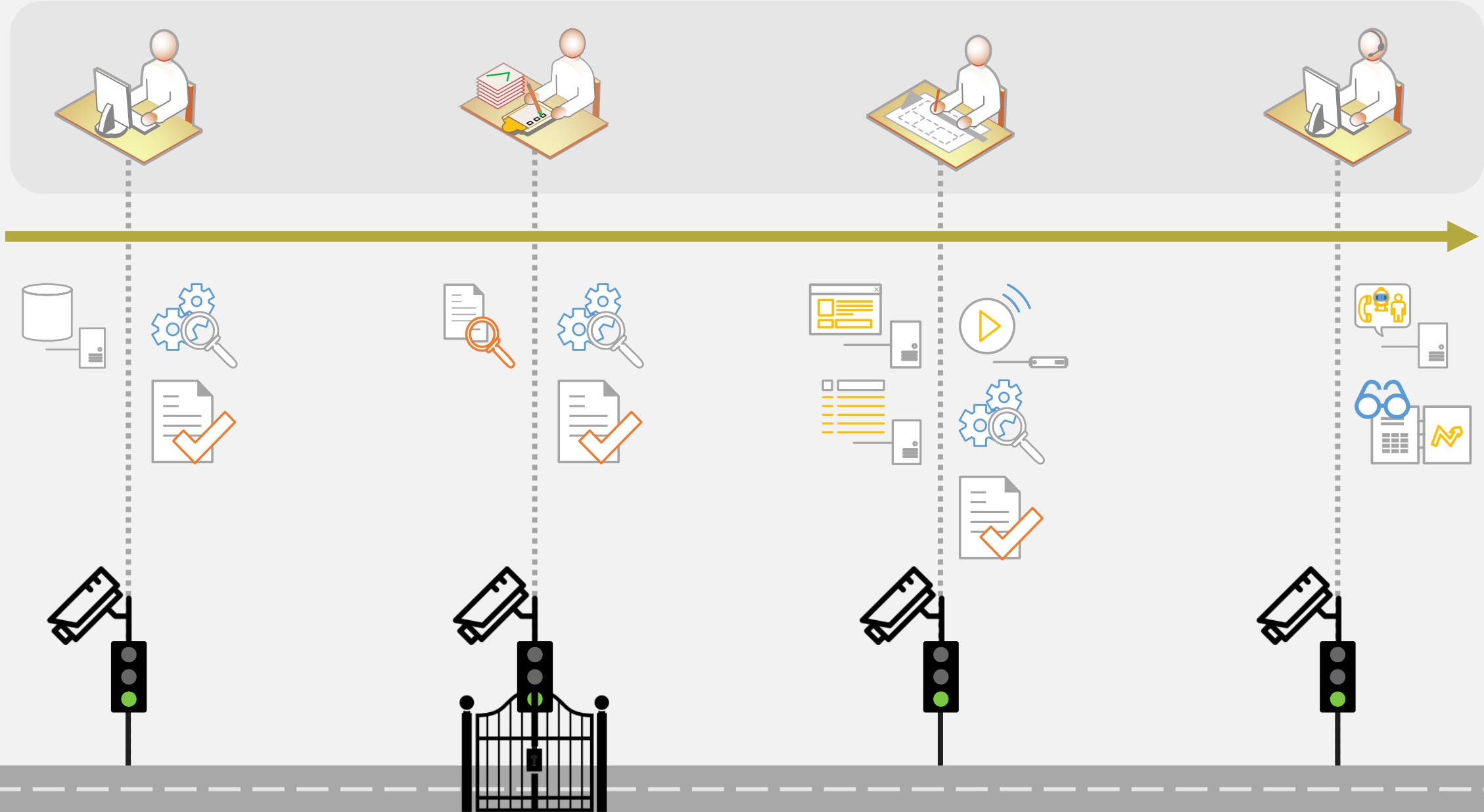

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Key Concepts...

Environments, activities, the pipeline, and quality

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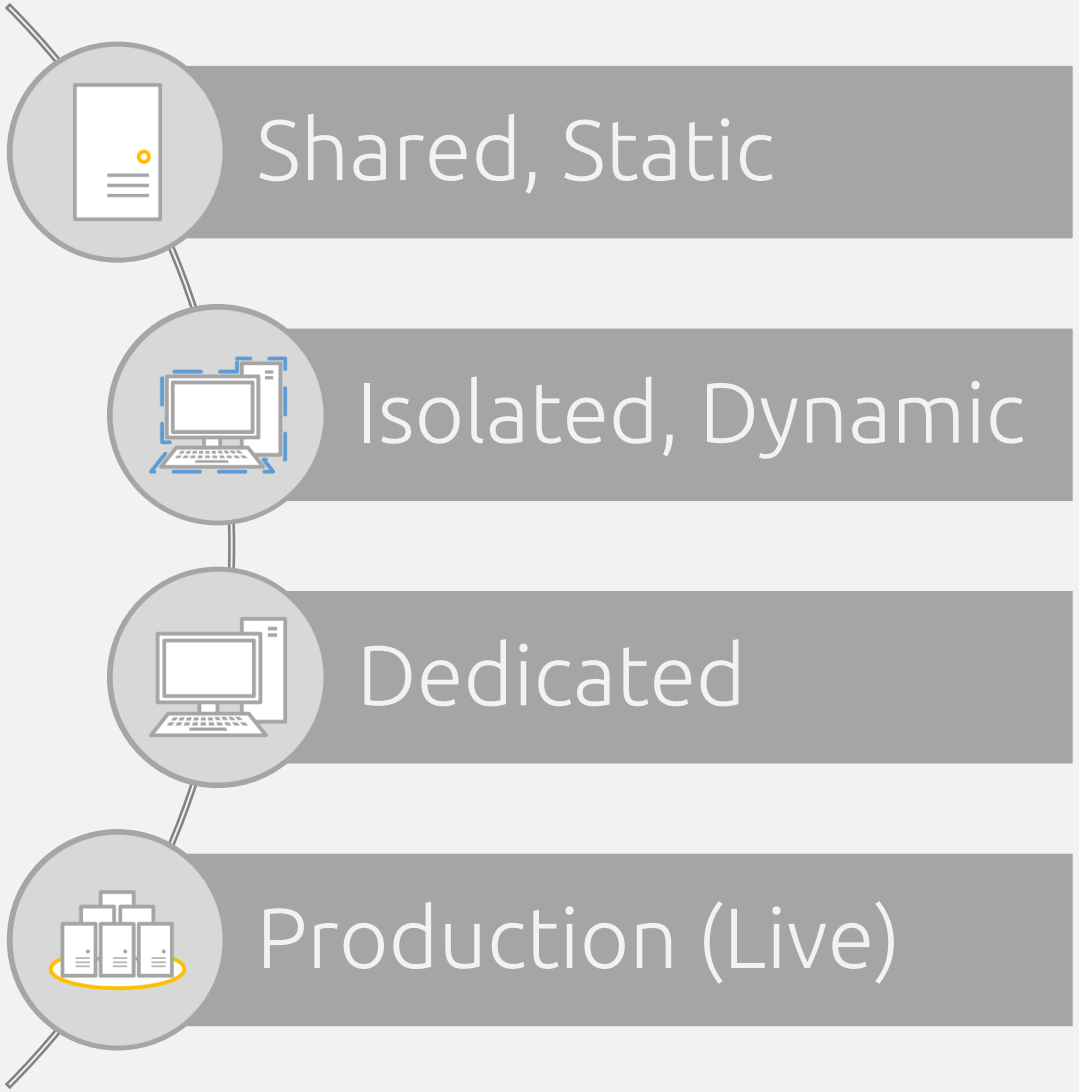

- Shared State
- Service Virtualisation

- Automatic Provisioning

- Self Service
- Self Contained

- Zero Downtime
- Dark Launching
- Feature Flags

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DO:

- Act on Pipeline Artefacts
- Work Asynchronously (Out of Band)

DON'T:

- Act directly on Environments
- Work Synchronously (In Line)

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Pipeline Artefacts

- Single source code repository
- All artefacts in source control
- Stable mainline (trunk based development)

Pipeline Jobs

- Automate the build
- Automate infrastructure and provisioning
- Automate deployments
- Execute the pipeline jobs automatically for every source code commit

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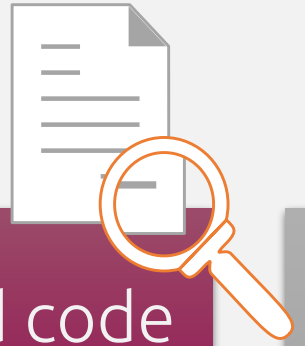

Add automated code quality checks, micro-tests (unit tests) and regression tests

Automate functional-, regression-, integration-, performance-, and security testing

Add environment health checks (smoke tests) to verify deployments

Execute all tests automatically as part of the pipeline jobs

Stop the pipeline on any failure

If any failure slips through, add a test for it so it never slips through again

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C A L M S

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CALMS

CULTURE

- Make People Awesome
- Psychological Safety

AUTOMATION

- Continuous Delivery
- Automated Provisioning

LEAN

- Single Work Item
- Continuous Flow

MEASUREMENT

- Measure Everything
- Show the Improvement

SHARING

- Open Information Sharing
- Collaboration & Communication

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THANK YOU

...any questions?

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