

# api auth

## External System Integration

BzCtrl provides a native API ecosystem allowing external operational systems to create **Incidents** and **Tasks** seamlessly. This guarantees that issues and required actions are flagged automatically right within internal workflows, ensuring seamless lifecycle tracking and audit readiness directly inside BzCtrl.

? **Key Value:** Eliminates manual human data entry by automating object instantiation via native background triggers contextually context-linked to upstream third-party user interfaces.

## INTEGRATION LIFECYCLE ARCHITECTURE

### 1 Identity Authentication & Authorization Request **POST**

<b>ACC (Staging)</b>	<a href="https://acc.bzctrl.com/bzctrl-core-api/oauth/token">https://acc.bzctrl.com/bzctrl-core-api/oauth/token</a>
<b>Production</b>	<a href="https://bzctrl.com/bzctrl-core-api/oauth/token">https://bzctrl.com/bzctrl-core-api/oauth/token</a>

#### PAYLOAD SCHEMA (X-WWW-FORM-URLENCODED)

```
grant_type=password&username=example@example.com&password=Ex@mpl3!
```

#### RESPONSE IDENTITY METADATA (200 OK)

```
{
  "access_token": ">xxxxxxxxxx",
  "token_type": "Bearer",
  "expires_in": 3600
}
```

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## Object Instantiation (Create Incident or Task) POST

<b>ACC (Staging)</b>	<a href="https://acc.bzctrl.com/bzctrl-core-api/api/v1/task/add-task">https://acc.bzctrl.com/bzctrl-core-api/api/v1/task/add-task</a>
<b>Production</b>	<a href="https://www.bzctrl.com/bzctrl-core-api/api/v1/task/add-task">https://www.bzctrl.com/bzctrl-core-api/api/v1/task/add-task</a>

⚠ **Authentication Guard: You must supply the token received from step 1 inside the HTTP Request Header as:** `Authorization: Bearer {access_token}`

### APPLICATION JSON PAYLOAD

```
{
  "todoType": "TASK",
  "domainWorkspace": "VTT-NLD-TML-FIN",
  "title": "Sample Title",
  "description": "Detailed tracking logs",
  "impact": "HIGH",
  "likelihood": "MEDIUM",
  "status": "TODO",
  "priority": "HIGH",
  "assignee": "user@vtti.com",
  "reporter": "user@vtti.com",
  "orderID": "SO-777"
}
```

### RESPONSE PAYLOAD

```
{
  "title": "Potential Customs claim",
  "taskType": "INCIDENT",
  "description": "Process non-conformance",
  "taskLink": "https://www.bzctrl.com/app/#/todo/IMP",
  "tags": ["SO 777"]
}
```

? **Deep Linking Strategy:** The generated `taskLink` value should be saved into your custom relational databases or mapped directly to actions via inline UI redirection workflows like

```
window.open(response.taskLink)
```

## UI/UX CONFIGURATION & BUSINESS REQUIREMENTS

\* Mandatory Field    *Italic - End User Input*    CAPITAL - Immutable System Generated Values

Context Scope	Payload Key	Value / Format	Functional Rules & Integration Cor
INCIDENT, TASK	<b>todoType*</b>	<b>INCIDENT</b>	System type flag. Consumers may toggle manually, but should leave fixed as an explicit constant.
INCIDENT, TASK	<b>domain*</b>	IMP-NLD-EXA-SWA	The overarching functional domain route assigned to the integrated customer client portfolio.
INCIDENT, TASK	<b>workspace*</b>	SWA	Target workspace configuration context mapped underneath the organizational master domain profile.
INCIDENT, TASK	<b>title*</b>	<i>Free text input</i>	Explicit user-facing text field. Defines the summary target issue or event item.
INCIDENT, TASK	<b>description*</b>	<i>Free text input</i>	Rich operational notes detailing context logs. All users to offer clear scope narratives.
TASK	<b>result</b>	<i>Free text input</i>	<i>Optional.</i> Capture resolution details or expected outcome when running actions explicitly.
INCIDENT	<b>financialImpact</b>	<i>Numeric format</i>	Evaluated in <b>EUR (€)</b> currency. Raw integer value is automatically mapped inside the dashboard.
INCIDENT	<b>impact</b>	<i>High, Medium, Low</i>	<i>Optional.</i> Dropdown matrix mapping determining classification levels inside the enterprise architecture.
INCIDENT	<b>likelihood</b>	<i>High, Medium, Low</i>	<i>Optional.</i> Probability index calculation variable used for priority sort orders.
INCIDENT, TASK	<b>status*</b>	<i>In Progress</i>	Defaults to <code>In Progress</code> . If marked as <code>Done</code> , due date match runtime transactions automatically.

Context Scope	Payload Key	Value / Format	Functional Rules & Integration Corr
INCIDENT, TASK	priority	High, Medium, Low	Optional. Escalation index classification used by structure internal workflows.
INCIDENT, TASK	assignee*	user@example.com	Target action worker identity address. Usually id reporting manager account parameters.
INCIDENT, TASK	reporter*	user@example.com	Active communication email address of the auth authoring agent who opened the file.
INCIDENT, TASK	orderID*	ServiceOrder #	Mapped directly into BzCtrl metadata engines as <b>Index Tag</b> attribute flag.
INCIDENT, TASK	LRN	LRN String	Optional. If accessible, provides secondary look capabilities in internal trace tables.
INCIDENT, TASK	reminderDate	YYYY-MM-DD	Optional. Sets a date for a tracking alert event or notification trigger.

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