



# POS Integration: Liquid Logic

Total Expert allows Integration Partners to collaborate with mutual customers through Liquid, a simple template language that can be used in any email generated from the Total Expert CRM. Liquid facilitates a scalable, organization-wide adoption of an integrated product and can be leveraged by Integration Partners to extract object information from Total Expert. This information can provide value both to Integration Partners and their mutual customers of Total Expert.

## Integrating via Total Expert Email Templates

Liquid is composed of placeholders that dynamically populate email messages with marketing information. One example of a Liquid placeholder is `{{sender.f_name}}`, which stands for the first name of the person sending the email. Liquid is especially useful in larger organizations that use email scripts and standardized campaigns with email templates. Marketing administrators can add borrower information, such as an email address, to an email template using Liquid to deliver integrated links to prospective borrowers.

Below is an example email that a Total Expert customer sends to a prospective borrower, including a loan application link generated by a point-of-sale (POS) provider:

Thank you for your business. To begin your mortgage application, please follow the link below:

```
https://pospartnerapplink.com?{{recipient.email}}
```

Thank you!

```
{{sender.f_name}}
```

```
{{sender.email}}
```

The Liquid placeholders will be replaced with the relevant information when the email is sent.

This scalable integration best-practice provides our POS partners with an important contact detail: the borrower's email address. POS partners can subsequently use this detail to retrieve additional information about the borrower using the Total Expert API Contacts endpoint.

## Fetch Contact Details via Total Expert API

Integrated POS partners can fetch contact details from the Total Expert API using a GET request:

```
https://public.totalexpert.net/v1/token/contacts?filter=email={{recipient.email}}
```



This request points to the Contacts endpoint with a query specifying the contact via email address. The example response shows some of the details supported by the endpoint:

```
{
  "items":
  {
    "address": "21 Fake St",
    "address_2": "Apt. 21",
    "birthday": "01-01",
    "city": "Lincoln",
    "classification": "",
    "close_date": null,
    "creation_date": "2022-03-25 16:24:27",
    "credit_score": null,
    "credit_score_date": "2022-01-30",
    "credit_score_expiration_date": null,
    "email": "test21@te.com",
    "email_work": "test21@totalexpertinc.com",
    "employer_address": null,
    "employer_address_2": null,
    "employer_city": null,
    "employer_license_number": null,
    "employer_name": "",
    "employer_state": null,
    "external_id": "21",
    "first_name": "Lawson",
    "id": 130742468,
    "internal_created_at": "2022-03-25 16:24:27",
    "internal_updated_at": "2022-03-25 16:24:27",
    "last_contacted_date": "2022-03-25 12:12:12",
    "last_modified_date": null,
    "last_name": "Mahomes",
    "ok_to_call": true,
    "ok_to_email": true,
    "ok_to_mail": true,
    "other_url": null,
    "phone_cell": "(402)555-0021",
    "phone_home": "(402)555-0021",
    "phone_office": "(402)555-0021",
    "pre_approval_issued_date": null,
    "referred_by": "",
    "referred_to": "",
    "source": "OurSystem",
    "state": "NE",
    "zip_code": "68521",
  }
}
```

POS partners can use these contact details to streamline the loan application process by pre-filling the details into the borrower's application. This integration delivers a seamless user experience to prospective borrowers and reduces the time it takes for applications to be submitted.

Refer to the [Contacts section](#) of our API documentation for a complete list of fields that the endpoint supports.