



**TRAILHEAD**  
TECHNOLOGY PARTNERS



# About Trailhead

- The Trailhead Partners: 10 years of collaboration together on software solutions
- Each partner brings decades of consulting and development experience
- Expertise in bridging business and technology
- Technology Leaders, MVPs, Conference Speakers
- Full stack, one stop shop
- Microsoft Partner, Xamarin Partner



Gold  
**Microsoft Partner**



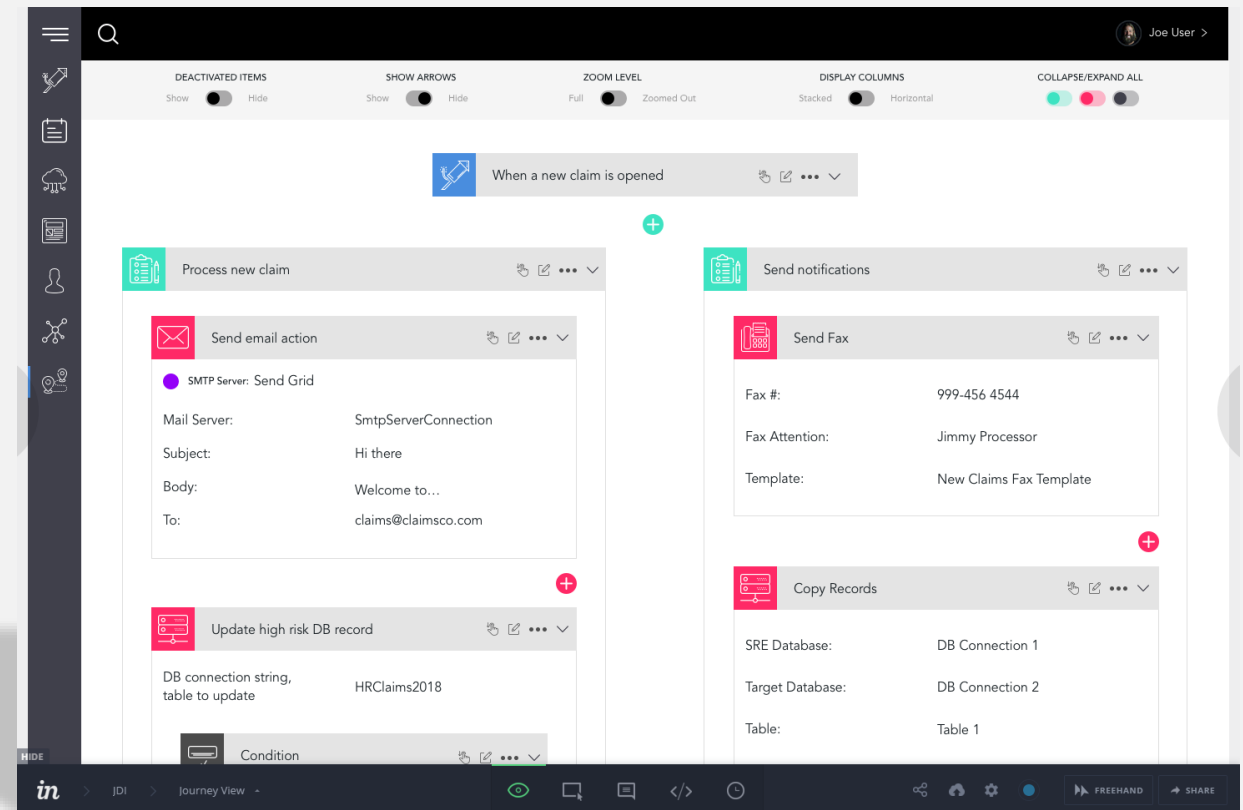
# Trailhead Distinctives

- A Partner on every project: hands-on engagement with an owner
  - Not just sales and project management
  - Architecture, development, and overall project oversight
- Communication, you know what to expect
- Quality, on budget
- Enterprise grade software
- Top notch UI/UX design
- The Trailhead Process, our time-tested process for successful agile software projects



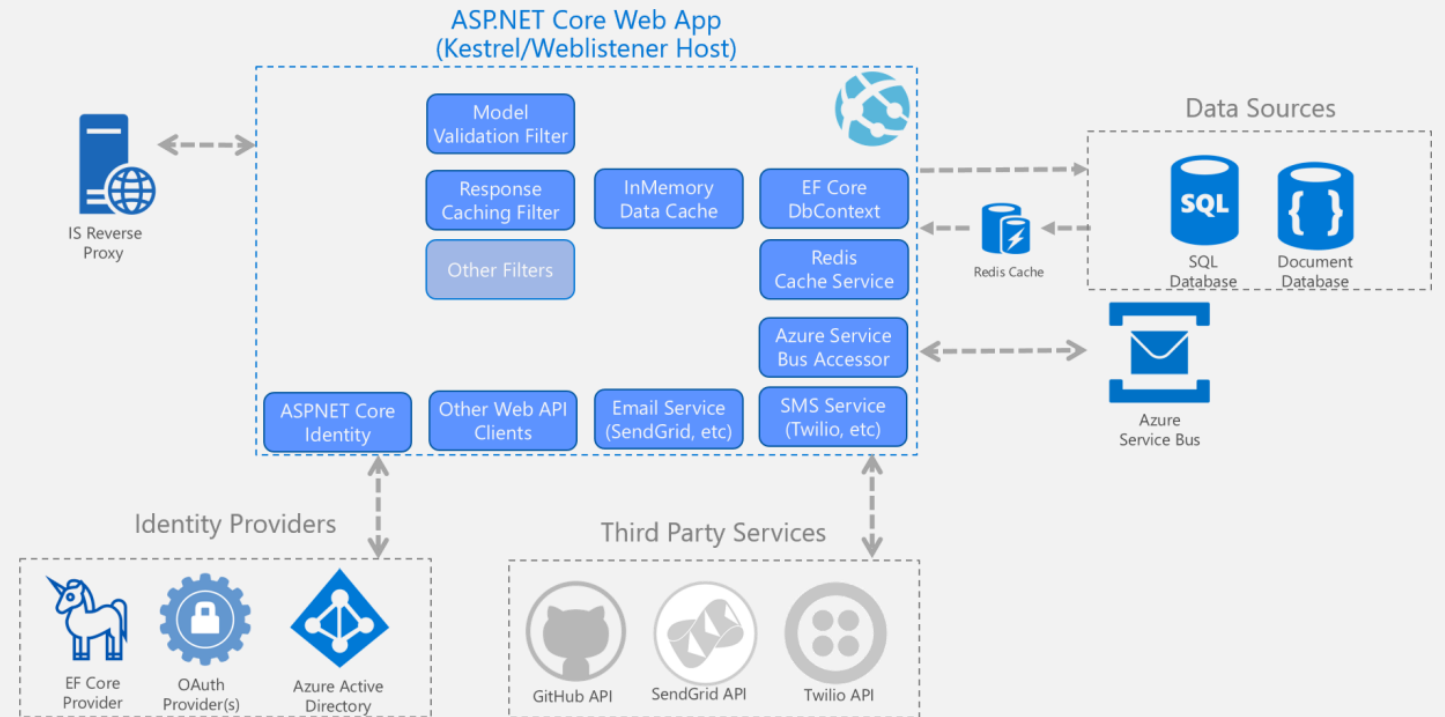
# Design: UI & UX

- Web, Mobile, Responsive Web
- UX: not just how should it look, how should it work?
- Iterative process
  - Collaborate with client to refine designs
  - Clickable prototypes to aid design decisions and development



# Architecture

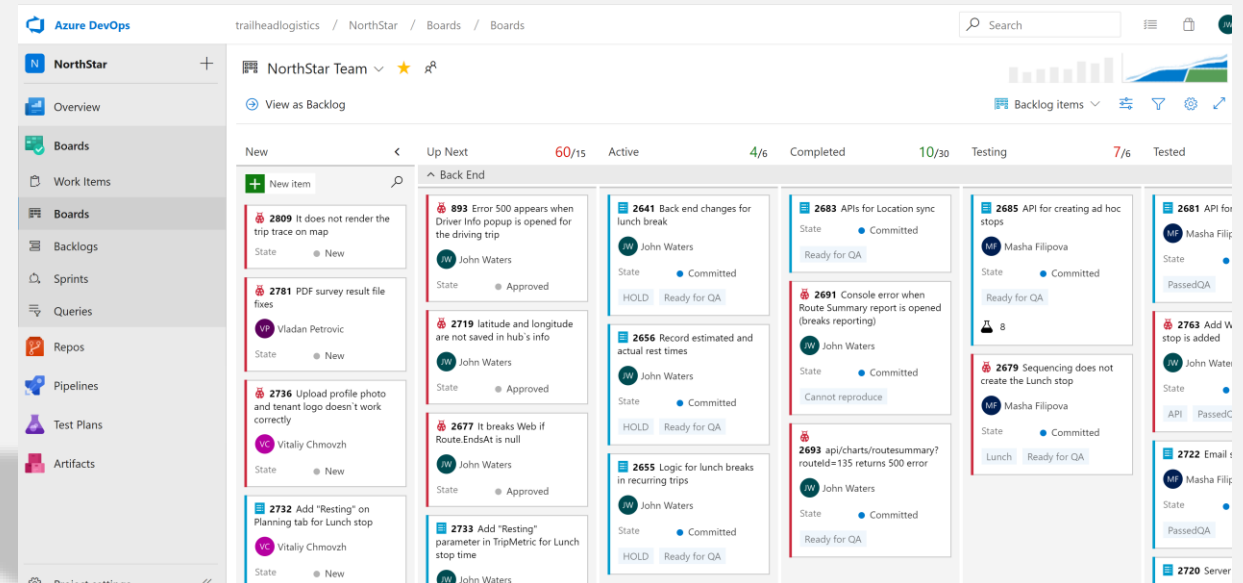
- Cloud, on-premise
- Web, Desktop, Mobile
- Understanding technology choices
- SAAS/SOA/Multi-Tenant
- Security
- Performance
- Scalability



# Development, Process, Resource Scaling

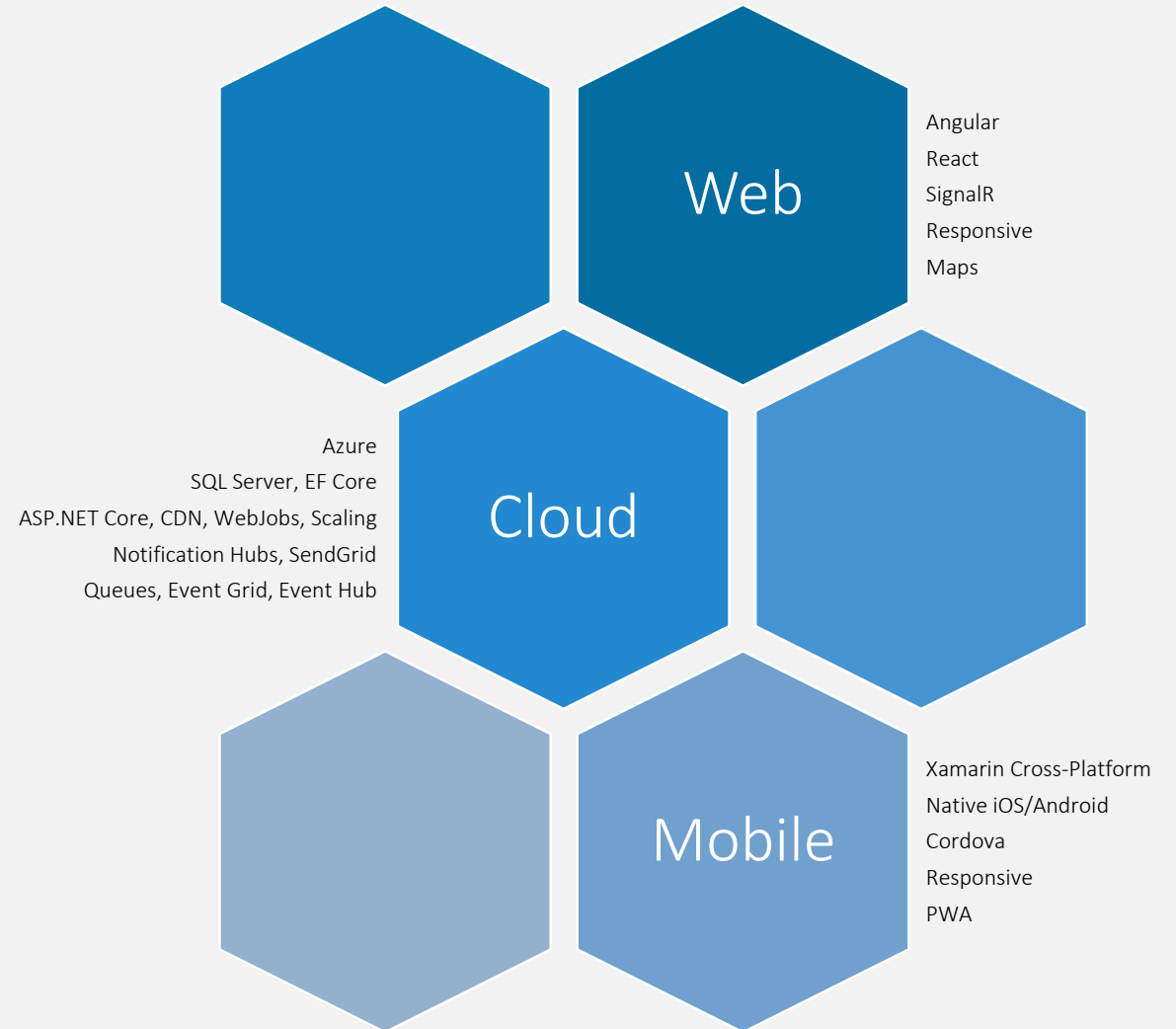


- Agile development methodology
- Work cohesively with internal teams or other partners
- Ability to scale to the size of your project
  - Experienced and efficient team members
  - Quickly integrate new developers into our process



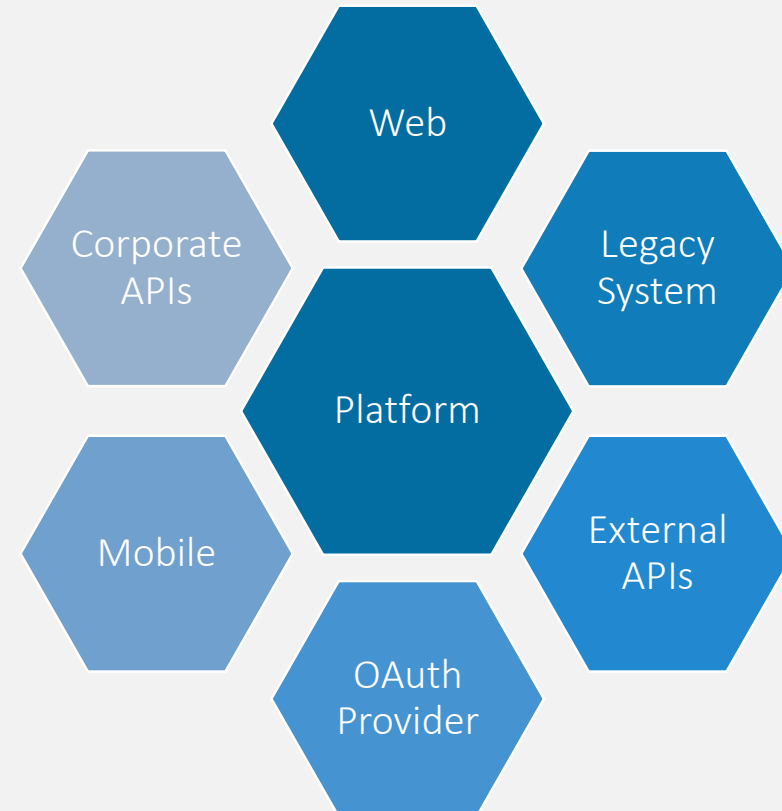
# Technologies

- Web
- Cloud
- Mobile
- Data and Analytics
- IoT and Custom Platforms
- Mapping
- Desktop
- Legacy Migration



# Integration

- Integrate new applications with legacy systems
- Integration with Corporate/Internal APIs
- Integration with External APIs
- Single Sign On, OAuth, Directory Services
- Utilize Cloud Services

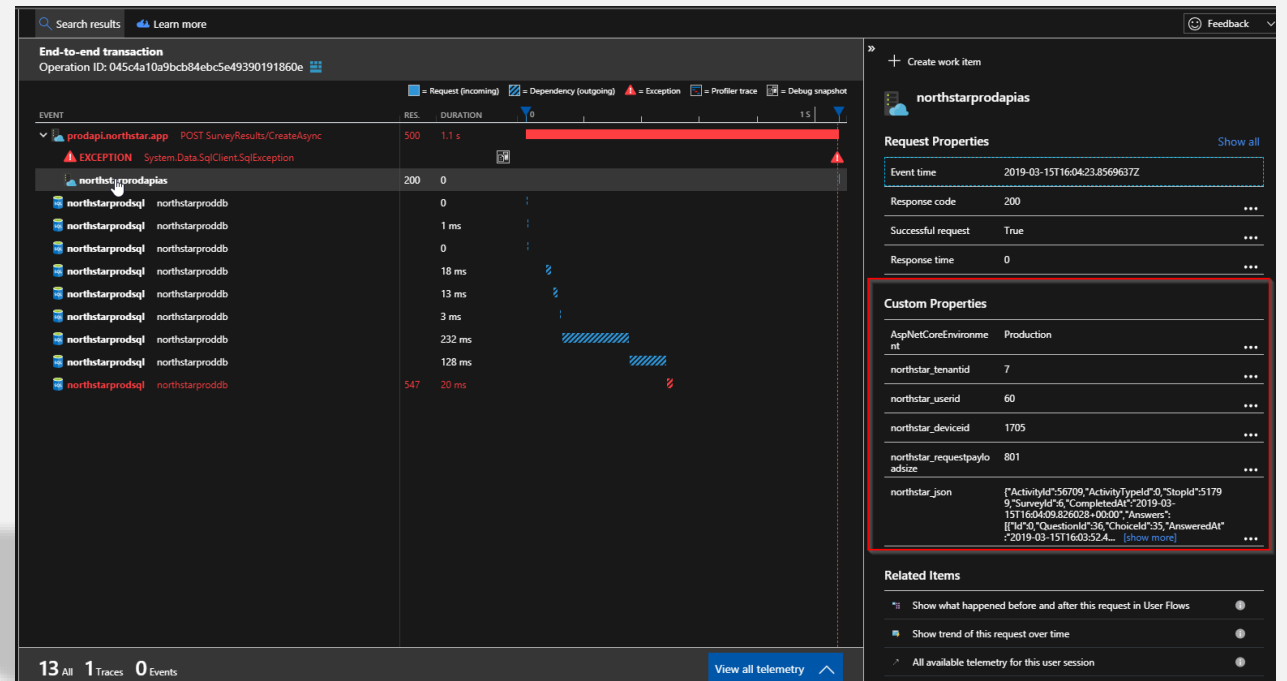




# Data Collection, Analysis, Reporting



- Application telemetry collection and analysis with Application Insights
- Custom dashboards
- Reporting



The screenshot displays the Azure Application Insights interface. The main view shows an 'End-to-end transaction' for 'prodap\northstar.app' with a status of 'EXCEPTION'. The transaction details include a table of events and a dependency graph.

EVENT	RES.	DURATION
prodap\northstar.app POST SurveyResults/CreateAsync	500	1.1 s
EXCEPTION System.Data.SqlClient.SqlException		
northstarprodapias	200	0
northstarprodsq1 northstarproddb		0
northstarprodsq1 northstarproddb		1 ms
northstarprodsq1 northstarproddb		0
northstarprodsq1 northstarproddb		18 ms
northstarprodsq1 northstarproddb		13 ms
northstarprodsq1 northstarproddb		3 ms
northstarprodsq1 northstarproddb		232 ms
northstarprodsq1 northstarproddb		128 ms
northstarprodsq1 northstarproddb	547	20 ms

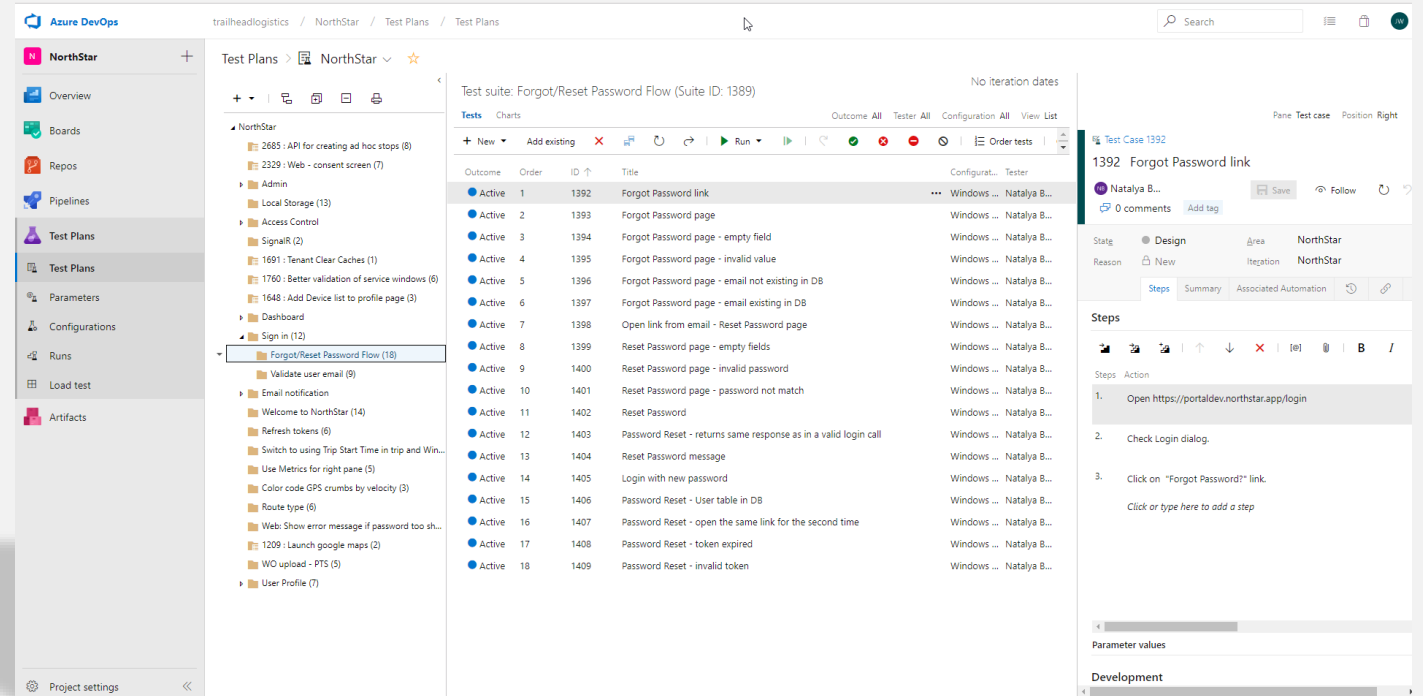
The right-hand pane shows the 'Request Properties' and 'Custom Properties' for the selected request. The 'Custom Properties' section is highlighted with a red box and contains the following data:

Property Name	Value
AspNetCoreEnvironment	Production
northstar_tenantid	7
northstar_userid	60
northstar_deviceid	1705
northstar_requestpayloadsize	801
northstar_json	[{"ActivityId": "56709", "ActivityType": "StopId", "StopId": "5179", "SurveyId": "56", "CompletedAt": "2019-03-15T16:04:09.826028-00:00", "Answers": [{"QuestionId": "36", "ChoiceId": "35", "AnsweredAt": "2019-03-15T16:03:52.4..."}]}



# QA

- Vital to quality code delivery
- Manual
- Automated
- Performance, Load Testing
- Responsive
- Device testing
- API testing



The screenshot displays the Azure DevOps Test Plans interface for a project named 'NorthStar'. The left sidebar shows the navigation menu with 'Test Plans' selected. The main area shows a test suite titled 'Forgot/Reset Password Flow (Suite ID: 1389)'. A table lists 18 test cases, all marked as 'Active'. The right sidebar shows the details for 'Test Case 1392: Forgot Password link', including a list of steps for the test run.

Outcome	Order	ID	Title	Configurat...	Tester
Active	1	1392	Forgot Password link	Windows ...	Natalya B...
Active	2	1393	Forgot Password page	Windows ...	Natalya B...
Active	3	1394	Forgot Password page - empty field	Windows ...	Natalya B...
Active	4	1395	Forgot Password page - invalid value	Windows ...	Natalya B...
Active	5	1396	Forgot Password page - email not existing in DB	Windows ...	Natalya B...
Active	6	1397	Forgot Password page - email existing in DB	Windows ...	Natalya B...
Active	7	1398	Open link from email - Reset Password page	Windows ...	Natalya B...
Active	8	1399	Reset Password page - empty fields	Windows ...	Natalya B...
Active	9	1400	Reset Password page - invalid password	Windows ...	Natalya B...
Active	10	1401	Reset Password page - password not match	Windows ...	Natalya B...
Active	11	1402	Reset Password	Windows ...	Natalya B...
Active	12	1403	Password Reset - returns same response as in a valid login call	Windows ...	Natalya B...
Active	13	1404	Reset Password message	Windows ...	Natalya B...
Active	14	1405	Login with new password	Windows ...	Natalya B...
Active	15	1406	Password Reset - User table in DB	Windows ...	Natalya B...
Active	16	1407	Password Reset - open the same link for the second time	Windows ...	Natalya B...
Active	17	1408	Password Reset - token expired	Windows ...	Natalya B...
Active	18	1409	Password Reset - invalid token	Windows ...	Natalya B...

**Test Case 1392: Forgot Password link**

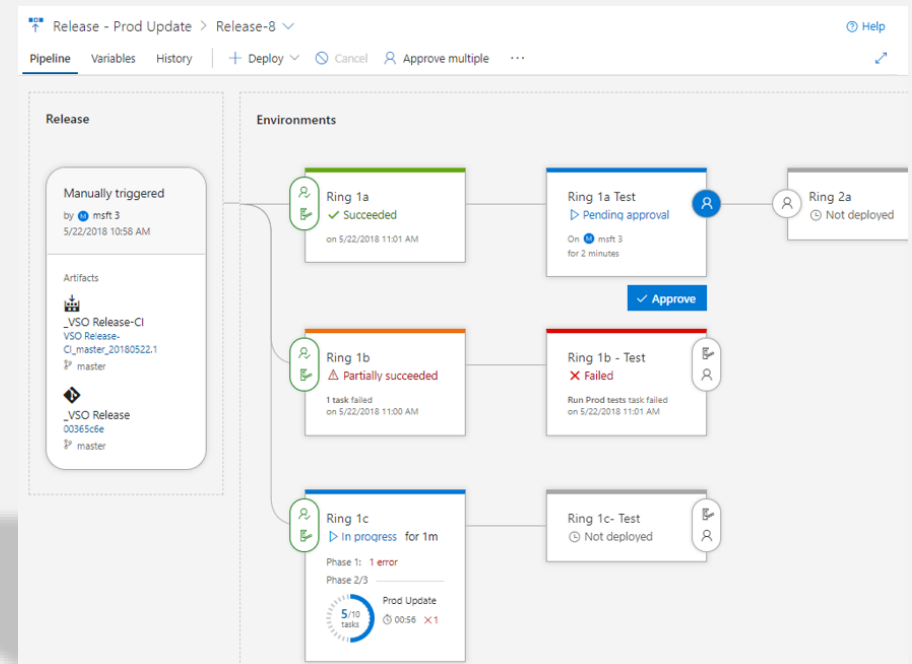
Steps:

1. Open <https://portaldev.northstar.app/login>
2. Check Login dialog.
3. Click on "Forgot Password" link.

Click or type here to add a step

# DevOps

- Continuous Integration Builds
- Continuous Releases
- Automated App Store TestFlight Releases
- Automated Google Play Internal Releases
- Private NuGet Feeds
- See project progress first-hand



# Support

- Continuous support and collaboration during development cycle
- Support Retainer with guaranteed availability
- Flex Retainer for combined development and support
- Custom support agreements that meet your needs



# Testimonials

*Trailhead provides unparalleled agility in execution and scaling to have the right level of resources to deliver quality technology. Their proactive approach in seeing the bigger picture is welcomed and uncommon. Trailhead's on time and on/under budget estimates are consistently met—I always clearly understand what I can expect from them.*

**Benjamin DeBoer**, Director, Corporate Innovation at Jewelers Mutual Insurance Group



*Trailhead continues to be an excellent partner to augment and complement our own internal Product Development team. They help us stay abreast of and current with the latest technologies. They are great to collaborate and work with, and they consistently deliver high quality solutions on time and within budget.*

**Rick Spangler**, CTO at Avail Technologies



# Links

- [trailheadtechnology.com](https://trailheadtechnology.com)
- [trailheadtechnology.com/portfolio](https://trailheadtechnology.com/portfolio)

